

# Converting Colors

XYZ(72.3235, 76.5699, 83.7030)

Have a look what the booklet for  
XYZ(72.3235, 76.5699, 83.7030)  
contains.

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# Color

**XYZ(72.3856, 76.4918,  
83.6223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E3E3
RGB	225, 227, 227
RGB Percent	88%, 89%, 89%
CMY	0.1176, 0.1098, 0.1098
CMYK	0.01, 0.00, 0.00, 0.11
HSL	180°, 3%, 89%
HSV	180°, 1%, 89%
XYZ	72.3856, 76.4918, 83.6223
YIQ	226.4020, -1.1920, -0.4240

# Conversions

## Conversions Part 2

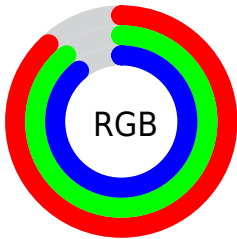
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 226, 227
Decimal	14803939
CIE <sub>Lab</sub>	90.09, -0.67, -0.25
CIE <sub>LCh</sub>	90, 0.710, 200.210
Yxy	76.4918, 0.3113, 0.3290
Android (android.graphics.Color)	4292994019 (0xFFE1E3E3)
YUV	226.4020, 0.2948, -1.2296
Hunter-Lab	87.4596, -5.3194, 4.5331

# Details

The XYZ color **72.3856, 76.4918, 83.6223** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.1973, 75.6197, 82.0289**, and the grayscale version is **72.5801, 76.3599, 83.1560**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7765, 41.0297, 44.9055** is the 20% darker color. If you saturate the color by 10%, you get **65.7686, 73.0835, 83.2831**, and if you desaturate by 10%, it is **79.9478, 80.3917, 84.0089**.

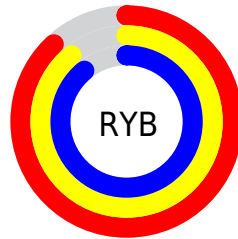
# Distribution



Red (88%)

Green (89%)

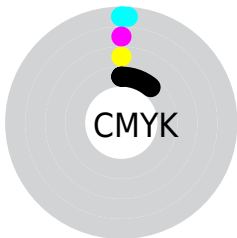
Blue (89%)



Red (88%)

Yellow (89%)

Blue (89%)

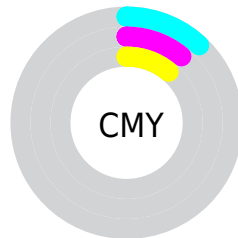


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3856, 76.4918, 83.6223 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 72.3856, 76.4918, 83.6223 by changing the saturation by 10% instead.



■ 72.3856, 76.4918,  
83.6223

■ 72.3856, 76.4918,  
83.6223

458.0195,  
483.0296, 527.0834

■ 53.7603, 56.8359,  
62.1601

121.6124,  
128.4219, 140.3037

■ 38.6400, 40.8735,  
44.7254

152.9447,  
161.4648, 176.3600

■ 26.6592, 28.2202,  
30.8998

189.2433,  
199.7388, 218.1180

■ 17.4527, 18.4917,  
20.2648

230.8737,  
243.6284, 265.9963

■ 10.6551, 11.3036,  
12.4017

278.2011,  
293.5178, 320.4135

■ 5.9010, 6.2714,  
6.8920

331.5910,

■ 2.8251, 3.0108,

349.7916, 381.7880

3.3172

391.4086,  
412.8340, 450.5385

■ 1.0619, 1.1374,  
1.2588

■ 0.0000, 0.0097,  
0.0277

■ 72.3856, 76.4918,  
83.6223

■ 72.3856, 76.4918,  
83.6223

■ 65.7686, 73.0835,  
83.2831

■ 79.9478, 80.3917,  
84.0089

■ 60.0535, 70.1379,  
82.9845

■ 82.5878, 81.7520,  
84.1635

■ 55.2032, 67.6382,  
82.7265

■ 82.5938, 81.7544,  
84.1949

■ 51.1754, 65.5625,  
82.5069

■ 82.5998, 81.7568,  
84.2264

■ 47.9246, 63.8873,  
82.3237

■ 82.6057, 81.7592,  
84.2578

■ 45.4007, 62.5869,  
82.1745

■ 82.6117, 81.7616,  
84.2892

■ 43.5476, 61.6322,  
82.0567

■ 82.6177, 81.7640,  
84.3206

■ 42.3013, 60.9904,  
81.9674

■ 82.6236, 81.7663,  
84.3521

■ 41.5852, 60.6220,  
81.9028

■ 82.6296, 81.7687,  
84.3835

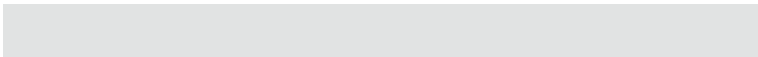
# Harmonies

## Analogous

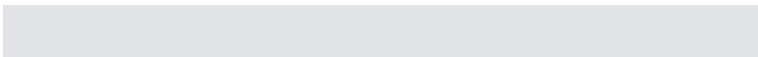
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3697, 76.4918, 83.1216



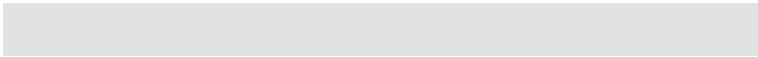
72.3856, 76.4918, 83.6223



72.4865, 76.4918, 84.0346

# Triad

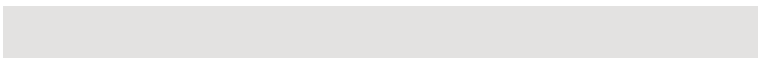
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3856, 76.4918, 83.6223



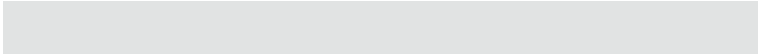
72.9639, 76.4918, 83.9092



72.7608, 76.4918, 82.3338

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



72.3856, 76.4918, 83.6223



72.1973, 75.6197, 82.0289

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.9203, 76.4918, 82.5430



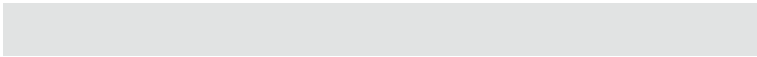
72.3856, 76.4918, 83.6223



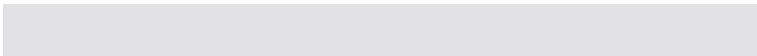
73.0376, 76.4918, 83.4517

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



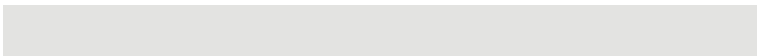
72.3856, 76.4918, 83.6223



72.8203, 76.4918, 84.2007



73.0216, 76.4918, 82.9517



72.5862, 76.4918, 82.3791

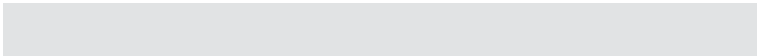


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3856, 76.4918, 83.6223



72.5885, 76.4918, 84.2031



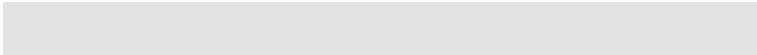
73.0216, 76.4918, 82.9517



72.8180, 76.4918, 82.3767

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



72.3878, 76.4951, 83.6240

95.0500, 100.0000, 108.9000



72.1237, 76.3906, 82.1789



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

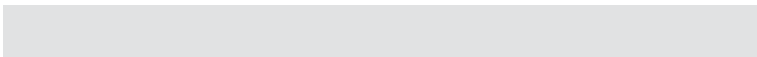
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3878, 76.4951, 83.6240



94.1173, 99.5193, 108.8523



72.1241, 75.9670, 83.5387



16.0701, 16.9873, 18.5756



24.0721, 35.2609, 47.7414



1.7792, 2.6058, 3.5300



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72.1973, 75.6197, 82.0289



93.8348, 98.2209, 106.4867



72.4593, 76.1446, 82.1137



16.0248, 16.7790, 18.1959



18.4769, 9.5250, 0.8744

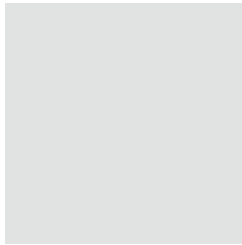


1.3658, 0.7040, 0.0667



# Previews

## White Background



This preview shows how the XYZ color 72.3856, 76.4918, 83.6223 looks on a white background.

## Color Contrast Check

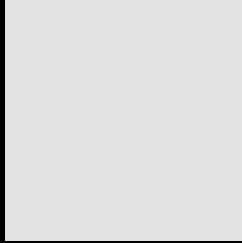
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the XYZ color 72.3856, 76.4918, 83.6223 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

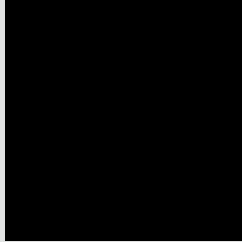
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

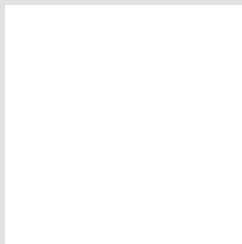


**XYZ 72.3856, 76.4918, 83.6223**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.3856, 76.4918, 83.6223.



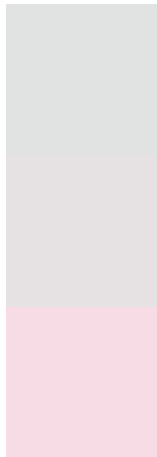
This preview shows how white text looks on a background with the XYZ color 72.3856, 76.4918,

83.6223.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

72.3856, 76.4918, 83.6223

### Protanopia

73.2858, 76.1644, 82.7901

### Deuteranopia

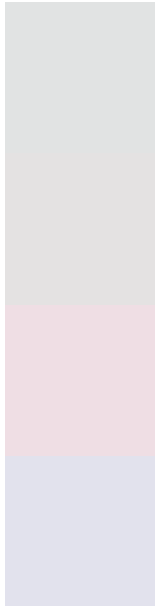
77.8321, 76.0943, 84.7142



## Tritanopia

74.6308, 76.5921, 94.8547

# Trichromacy



## Original Color

72.3856, 76.4918, 83.6223

## Protanomaly

72.9187, 76.3777, 82.8506

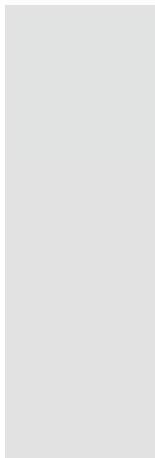
## Deuteranomaly

75.7215, 76.1947, 84.1149

## Tritanomaly

73.8464, 76.6759, 91.0286

# Monochromacy



## Original Color

72.3856, 76.4918, 83.6223

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.2879, 76.0525, 82.8211

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3856, 76.4918, 83.6223 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(225, 227, 227) looks like.

```
.text, #text, p{  
    color:rgb(225, 227, 227)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(225, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 227, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3856, 76.4918, 83.6223 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 227, 227) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(225, 227, 227) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(225, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(225, 227,  
227) }
```



# Background

The CSS property to change the background color of an element to XYZ 72.3856, 76.4918, 83.6223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 227, 227) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(225,  
227, 227) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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