

Converting Colors

XYZ(72.5502, 80.2770, 23.4756)

Have a look what the booklet for
XYZ(72.5502, 80.2770, 23.4756)
contains.

XYZ(72.6310, 80.4387, 23.5025)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.6310, 80.4387,
23.5025)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE963
RGB	255, 233, 99
RGB Percent	100%, 91%, 39%
CMY	0.0000, 0.0862, 0.6117
CMYK	0.00, 0.09, 0.61, 0.00
HSL	52°, 100%, 69%
HSV	52°, 61%, 100%
XYZ	72.6310, 80.4387, 23.5025
YIQ	224.3020, 56.1260, -37.0100

Conversions

Conversions Part 2

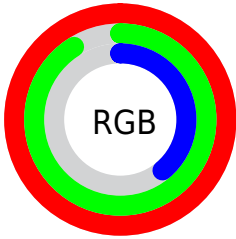
Format	Color
RYB	125, 255, 99
Decimal	16771427
CIELab	91.88, -7.88, 66.03
CIELCh	92, 66.499, 96.810
Yxy	80.4387, 0.4113, 0.4556
Android (android.graphics.Color)	4294961507 (0xFFFFE963)
YUV	224.3020, -61.7739, 26.9221
Hunter-Lab	89.6876, -12.4001, 47.2445

Details

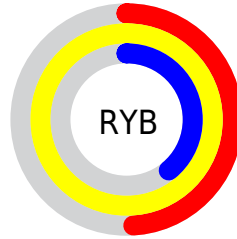
The XYZ color **72.6310, 80.4387, 23.5025** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.0328, 23.5466, 97.5691**, and the grayscale version is **71.4696, 75.1916, 81.8837**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **38.8440, 43.6101, 8.5608** is the 20% darker color. If you saturate the color by 10%, you get **70.5925, 78.0144, 17.7289**, and if you desaturate by 10%, it is **75.0788, 83.0659, 31.3125**.

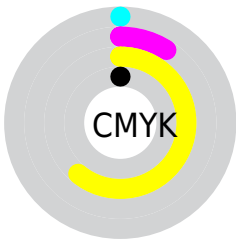
Distribution



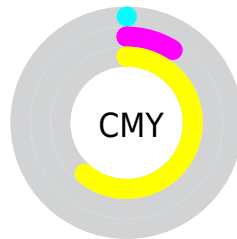
- Red (100%)
- Green (91%)
- Blue (39%)



- Red (49%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (9%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6310, 80.4387, 23.5025 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 72.6310, 80.4387, 23.5025 by changing the saturation by 10% instead.


 72.6310, 80.4387,
23.5025

 72.6310, 80.4387,
23.5025


458.8585,
496.4101, 283.5006


 53.9616, 60.0794,
14.7562


 121.9592,
133.9823, 50.1507


 38.8015, 43.4827,
8.5037


 153.3487,
167.9355, 68.8898

 26.7854, 30.2640,
4.3266


 189.7089,
207.1888, 91.7968

 17.5479, 20.0391,
1.8062

 231.4052,
252.1265, 119.2903

 10.7236, 12.4234,
0.4320

278.8030,
303.1331, 151.7889

 5.9472, 7.0327,
0.0000

332.2676,

 2.8534, 3.4826,

360.5929, 189.7112

0.0000

392.1643,
424.8905, 233.4756

■ 1.0767, 1.3886,
0.0000

■ 0.0055, 0.2083,
0.0000

■ 72.6310, 80.4387,
23.5025

■ 72.6310, 80.4387,
23.5025

■ 70.5925, 78.0144,
17.7289

■ 75.0788, 83.0659,
31.3125

■ 68.9199, 75.7664,
13.7887

■ 77.9631, 85.8981,
41.3266

■ 67.5697, 73.6802,
11.4452

■ 81.3152, 88.9510,
53.7007

■ 66.5841, 71.9486,
10.3781

■ 85.1619, 92.2355,
68.5752

89.5279, 95.7615,
86.0794

94.4361, 99.5387,
106.3338

95.0497, 99.9999,
108.9000

Harmonies

Analogous

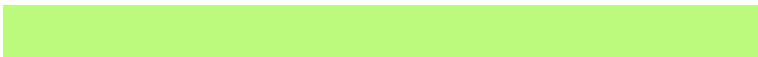
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1121, 80.4387, 26.5040



72.6310, 80.4387, 23.5025



58.4377, 80.4387, 31.8480

Triad

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



72.6310, 80.4387, 23.5025



53.0854, 80.4387, 156.7853



110.7419, 80.4387, 130.0283

Complementary

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



72.6310, 80.4387, 23.5025



30.0328, 23.5466, 97.5691

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.



97.8393, 80.4387, 186.3763



72.6310, 80.4387, 23.5025



64.2518, 80.4387, 205.4175

Square

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



72.6310, 80.4387, 23.5025



48.2912, 80.4387, 99.2011



80.4100, 80.4387, 217.8905



113.8674, 80.4387, 76.9113

Rectangle

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



72.6310, 80.4387, 23.5025



52.1592, 80.4387, 45.5678



80.4100, 80.4387, 217.8905



107.3200, 80.4387, 149.7292

Sweetspot

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



72.6329, 80.4425, 23.5041



86.4913, 93.3289, 73.8422



49.2398, 31.5994, 22.0477



18.2516, 19.7616, 14.7699



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



72.6329, 80.4425, 23.5041



70.2615, 77.5917, 16.8794



61.9387, 84.7551, 24.9002



19.3301, 20.6283, 19.1072



34.8757, 37.7627, 5.4508



3.4531, 3.7915, 0.5498

Inverse Universe

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



30.0328, 23.5466, 97.5691



24.5943, 16.6810, 96.5312



35.7629, 22.9754, 97.1569



17.2095, 17.7907, 22.7769



9.8226, 4.5548, 49.7960



1.0159, 0.5624, 4.8683

Previews

White Background



This preview shows how the XYZ color 72.6310, 80.4387, 23.5025 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 72.6310, 80.4387, 23.5025 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 72.6310, 80.4387, 23.5025

Background



This preview shows how black text looks on a background with the XYZ color 72.6310, 80.4387, 23.5025.



This preview shows how white text looks on a background with the XYZ color 72.6310, 80.4387,

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

72.6310, 80.4387, 23.5025

Protanopia

73.6718, 80.4033, 30.3754

Deuteranopia

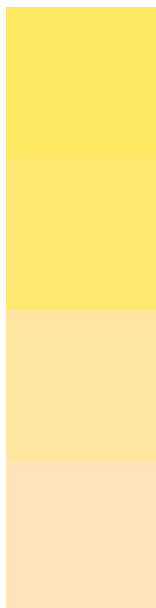
78.4467, 80.0932, 62.3639



Tritanopia

82.7469, 80.5118, 89.0210

Trichromacy



Original Color

72.6310, 80.4387, 23.5025

Protanomaly

73.1339, 80.1881, 27.5429

Deuteranomaly

75.5173, 79.8018, 44.2240

Tritanomaly

77.4660, 79.7010, 57.1999

Monochromacy



Original Color

72.6310, 80.4387, 23.5025

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.8667, 75.8550, 53.6069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6310, 80.4387, 23.5025 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(255, 233, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 99)  
}
```

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(255, 233, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 99) }
```

Border

The CSS property to change the border of an element to XYZ 72.6310, 80.4387, 23.5025 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(255, 233, 99) }
```


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

```
.border{ border-color:rgb(255, 233, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6310, 80.4387, 23.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 99) }
```

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

```
.background{ background-color: rgb(255,  
233, 99) }
```

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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