

Converting Colors

XYZ(69.6238, 75.2923, 76.1998)

Have a look what the booklet for
XYZ(69.6238, 75.2923, 76.1998)
contains.

XYZ(69.5087, 75.1636, 76.4902)	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(69.5087, 75.1636,
76.4902)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE3D9
RGB	220, 227, 217
RGB Percent	86%, 89%, 85%
CMY	0.1372, 0.1098, 0.1490
CMYK	0.03, 0.00, 0.04, 0.11
HSL	102°, 15%, 87%
HSV	102°, 4%, 89%
XYZ	69.5087, 75.1636, 76.4902
YIQ	223.7670, -0.9620, -4.5940

Conversions

Conversions Part 2

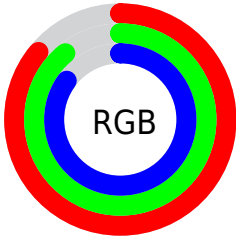
Format	Color
R _Y B	217, 227, 224
Decimal	14476249
CIE Lab	89.47, -4.14, 4.05
CIE LCh	89, 5.790, 135.584
Yxy	75.1636, 0.3143, 0.3399
Android (android.graphics.Color)	4292666329 (0xFFDCE3D9)
YUV	223.7670, -3.3361, -3.3037
Hunter-Lab	86.6969, -8.6085, 8.3780

Details

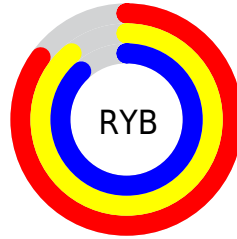
The XYZ color **69.5087, 75.1636, 76.4902** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4214, 71.0211, 82.7265**, and the grayscale version is **70.7106, 74.3930, 81.0140**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7912, 40.1130, 39.9859** is the 20% darker color. If you saturate the color by 10%, you get **62.1735, 71.7023, 61.7795**, and if you desaturate by 10%, it is **77.7117, 79.0296, 93.3647**.

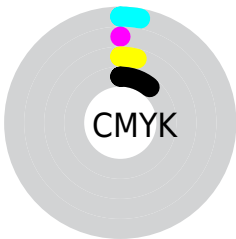
Distribution



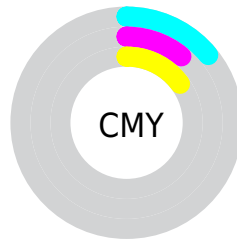
- Red (86%)
- Green (89%)
- Blue (85%)



- Red (85%)
- Yellow (89%)
- Blue (88%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (14%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5087, 75.1636, 76.4902 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 69.5087, 75.1636, 76.4902 by changing the saturation by 10% instead.

■ 69.5087, 75.1636,
76.4902

■ 69.5087, 75.1636,
76.4902

448.1164,
478.4797, 502.4155

■ 51.4043, 55.7469,
56.3255

117.5380,
126.5439, 130.1860

■ 36.7528, 40.0001,
40.0582

148.1935,
159.2764, 164.5542

■ 25.1889, 27.5386,
27.2698

183.7634,
197.2162, 204.4940

■ 16.3474, 17.9781,
17.5417

224.6131,
240.7477, 250.4239

■ 9.8627, 10.9343,
10.4555

271.1079,
290.2555, 302.7625

■ 5.3696, 6.0227,
5.5924

323.6131,

■ 2.5027, 2.8589,

346.1238, 361.9282

2.5341

382.4942,
408.7371, 428.3397

■ 0.8966, 1.0585,
0.8582

■ 0.0000, 0.0000,
0.0000

■ 69.5087, 75.1636,
76.4902

■ 69.5087, 75.1636,
76.4902

■ 62.1735, 71.7023,
61.7795

■ 77.7117, 79.0296,
93.3647

■ 55.6705, 68.6230,
49.1403

■ 85.5889, 82.8171,
106.0820

■ 49.9712, 65.9149,
38.4810

■ 86.7606, 83.4211,
106.1369

■ 45.0425, 63.5633,
29.7012

■ 40.8493, 61.5524,
22.6915

■ 37.3532, 59.8651,
17.3314

■ 34.5123, 58.4828,
13.4854

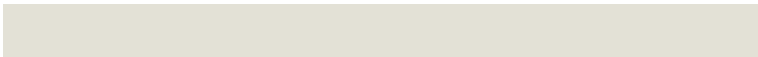
■ 32.2792, 57.3843,
10.9962

■ 30.5986, 56.5455,
9.6723

Harmonies

Analogous

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



70.7099, 75.1636, 74.5388



69.5087, 75.1636, 76.4902



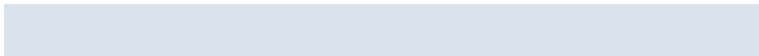
68.8295, 75.1636, 79.9095

Triad

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



69.5087, 75.1636, 76.4902



70.7633, 75.1636, 89.6477



74.1024, 75.1636, 79.7581

Complementary

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



69.5087, 75.1636, 76.4902



69.4214, 71.0211, 82.7265

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.



74.1172, 75.1636, 83.8021



69.5087, 75.1636, 76.4902



72.1766, 75.1636, 89.6038

Square

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



69.5087, 75.1636, 76.4902



69.5473, 75.1636, 87.5522



73.4083, 75.1636, 87.4344



73.3682, 75.1636, 76.3825

Rectangle

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



69.5087, 75.1636, 76.4902



68.7583, 75.1636, 82.6034



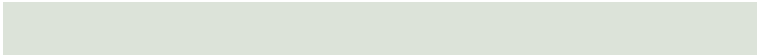
73.4083, 75.1636, 87.4344



74.1920, 75.1636, 81.0821

Sweetspot

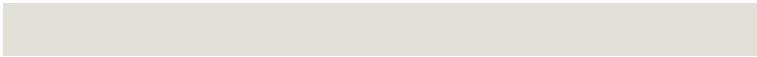
The Sweet Spot groups the original color and five complimentary colors.



69.5108, 75.1668, 76.4918



93.9883, 99.4998, 106.7215



70.8617, 74.6552, 76.3219



20.1286, 21.3023, 22.8657



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.



69.5108, 75.1668, 76.4918



89.8563, 97.5519, 98.2949



68.8728, 74.8077, 77.8289



15.2235, 16.5948, 16.5505



17.5160, 32.8113, 5.4100



1.3856, 2.4717, 0.4041

Inverse Universe

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



69.4214, 71.0211, 82.7265



89.7240, 91.4153, 107.5237



70.0848, 71.3949, 81.3242



15.1981, 15.4186, 18.3194



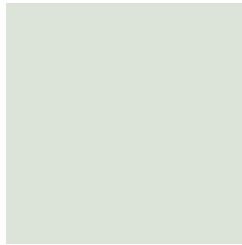
16.5400, 7.5926, 42.9769



1.3149, 0.6088, 3.1802

Previews

White Background



This preview shows how the XYZ color 69.5087, 75.1636, 76.4902 looks on a white background.

Color Contrast Check

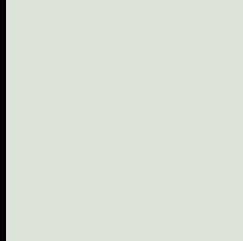
Large Text (above 18pt) WCAG AA × Fail

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 69.5087, 75.1636, 76.4902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

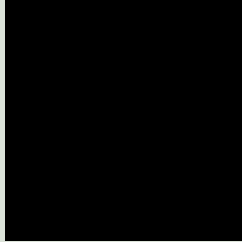
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

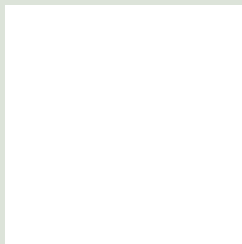
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5087, 75.1636, 76.4902

Background



This preview shows how black text looks on a background with the XYZ color 69.5087, 75.1636, 76.4902.

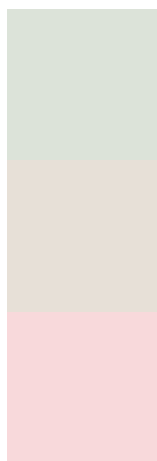


This preview shows how white text looks on a background with the XYZ color 69.5087, 75.1636,

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

69.5087, 75.1636, 76.4902

Protanopia

71.8764, 75.2065, 75.0180

Deuteranopia

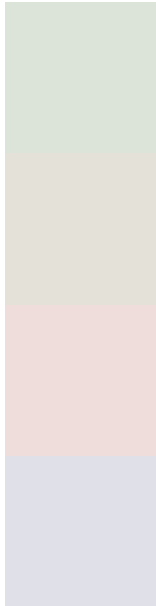
76.3104, 74.6966, 77.4137



Tritanopia

73.0053, 74.9735, 93.8426

Trichromacy



Original Color

69.5087, 75.1636, 76.4902

Protanomaly

70.9984, 75.1392, 75.7270

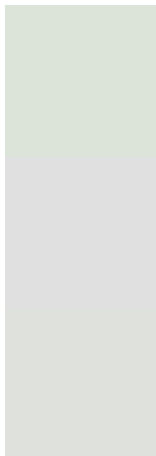
Deuteranomaly

73.7712, 74.9520, 76.9087

Tritanomaly

71.6526, 74.8255, 87.0102

Monochromacy



Original Color

69.5087, 75.1636, 76.4902

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.4078, 74.7589, 79.1256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5087, 75.1636, 76.4902 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(220, 227, 217) looks like.

```
.text, #text, p{  
    color:rgb(220, 227, 217)  
}
```

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(220, 227, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 227, 217) }
```

Border

The CSS property to change the border of an element to XYZ 69.5087, 75.1636, 76.4902 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(220, 227, 217) }
```


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

```
.border{ border-color:rgb(220, 227, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 227, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 227, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 227, 217);  
box-shadow:4px 4px 4px 4px rgb(220, 227,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5087, 75.1636, 76.4902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 227, 217) }
```

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

```
.background{ background-color: rgb(220,  
227, 217) }
```

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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