

Converting Colors

XYZ(48.6206, 61.3242, 80.7992)

Have a look what the booklet for
XYZ(48.6206, 61.3242, 80.7992)
contains.

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Color

**XYZ(48.6995, 61.5282,
80.5436)**

Conversions

Conversions Part 1

Format	Color
Hex	84DCE1
RGB	132, 220, 225
RGB Percent	52%, 86%, 88%
CMY	0.4823, 0.1372, 0.1176
CMYK	0.41, 0.02, 0.00, 0.12
HSL	183°, 61%, 70%
HSV	183°, 41%, 88%
XYZ	48.6995, 61.5282, 80.5436
YIQ	194.2580, -54.0530, -17.1010

Conversions

Conversions Part 2

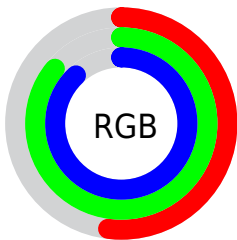
Format	Color
RYB	132, 177, 225
Decimal	8707297
CIELab	82.66, -25.17, -10.77
CIELCh	83, 27.378, 203.169
Yxy	61.5282, 0.2553, 0.3225
Android (android.graphics.Color)	4286897377 (0xFF84DCE1)
YUV	194.2580, 15.1558, -54.6003
Hunter-Lab	78.4399, -26.4479, -5.9722

Details

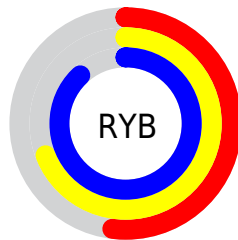
The XYZ color **48.6995, 61.5282, 80.5436** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.1628, 35.5656, 26.3683**, and the grayscale version is **51.3684, 54.0436, 58.8535**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **23.6125, 31.3084, 42.8288** is the 20% darker color. If you saturate the color by 10%, you get **45.2376, 59.2756, 80.2923**, and if you desaturate by 10%, it is **52.9261, 64.1814, 80.8340**.

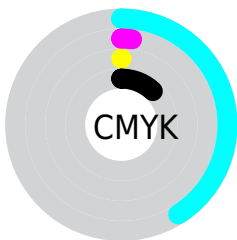
Distribution



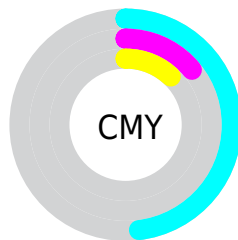
- Red (52%)
- Green (86%)
- Blue (88%)



- Red (52%)
- Yellow (69%)
- Blue (88%)



- Cyan (41%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)





- Cyan (48%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6995, 61.5282, 80.5436 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 48.6995, 61.5282, 80.5436 by changing the saturation by 10% instead.


 48.6995, 61.5282,
80.5436


 48.6995, 61.5282,
80.5436

372.0947,
430.2080, 516.5179


 34.5947, 44.6516,
59.6370


 87.4484, 107.0434,
135.9480

 23.5159, 31.1831,
42.7027


 112.8232,
136.4507, 171.2829

 15.0977, 20.7383,
29.3223


 142.6854,
170.8037, 212.2643

 8.9747, 12.9328,
19.0771

177.4004,
210.4868, 259.3108

 4.7817, 7.3823,
11.5486

217.3334,
255.8844, 312.8408

 2.1532, 3.7023,
6.3183

262.8499,

 0.7179, 1.5085,

307.3809, 373.2730

2.9677

314.3152,
365.3606, 441.0259

■ 0.0000, 0.2947,
1.0782

■ 0.0000, 0.0000,
0.0000

■ 48.6995, 61.5282,
80.5436

■ 48.6995, 61.5282,
80.5436

■ 45.2376, 59.2756,
80.2923

■ 52.9261, 64.1814,
80.8340

■ 42.4857, 57.3909,
80.0736

■ 57.9568, 67.2510,
81.1614

■ 40.3905, 55.8481,
79.8862

■ 63.8347, 70.7609,
81.5290

■ 38.8889, 54.6148,
79.7273

■ 70.5985, 74.7308,
81.9388

■ 37.9053, 53.6519,
79.5933

■ 78.2842, 79.1795,
82.3924

■ 37.3625, 52.9796,
79.4922

■ 82.3707, 81.7762,
82.6782

■ 82.7031, 82.4409,
82.7890

■ 83.0378, 83.1104,
82.9006

■ 83.3749, 83.7845,
83.0130

Harmonies

Analogous

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



47.9678, 61.5282, 63.2198



48.6995, 61.5282, 80.5436



51.9681, 61.5282, 96.3631

Triad

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



48.6995, 61.5282, 80.5436



67.9949, 61.5282, 88.3151



59.8343, 61.5282, 39.7355

Complementary

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



48.6995, 61.5282, 80.5436



44.1628, 35.5656, 26.3683

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.



65.5159, 61.5282, 44.2950



48.6995, 61.5282, 80.5436



70.4273, 61.5282, 70.9150

Square

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



48.6995, 61.5282, 80.5436



63.0381, 61.5282, 101.3489



69.4910, 61.5282, 55.0557



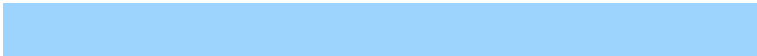
54.1484, 61.5282, 41.4389

Rectangle

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



48.6995, 61.5282, 80.5436



55.2710, 61.5282, 102.9696



69.4910, 61.5282, 55.0557



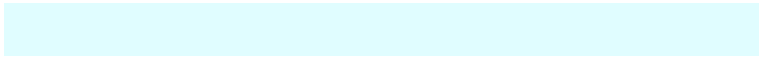
61.8123, 61.5282, 40.5571

Sweetspot

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



48.7013, 61.5306, 80.5450



84.1522, 93.6066, 108.2403



40.9325, 60.5533, 33.0674



17.7806, 19.8983, 23.1536



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.



48.7013, 61.5306, 80.5450



60.4900, 78.9965, 106.6674



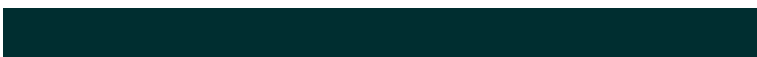
38.2147, 40.5574, 77.0495



14.0502, 15.4395, 17.6273



21.5578, 30.5852, 45.8157



1.5138, 2.1591, 3.1822

Inverse Universe

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



52.2224, 37.6788, 72.2332



65.8604, 43.3547, 93.8246



52.1819, 51.6038, 29.0414



14.2615, 13.9223, 17.1475



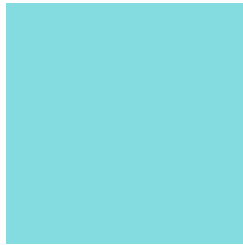
24.8216, 11.9956, 37.3218



1.7304, 0.8354, 2.6390

Previews

White Background



This preview shows how the XYZ color 48.6995, 61.5282, 80.5436 looks on a white background.

Color Contrast Check

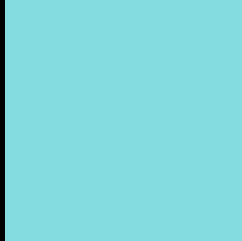
Large Text (above 18pt) WCAG AA × Fail

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 48.6995, 61.5282, 80.5436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

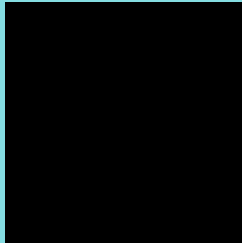
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6995, 61.5282, 80.5436

Background



This preview shows how black text looks on a background with the XYZ color 48.6995, 61.5282, 80.5436.

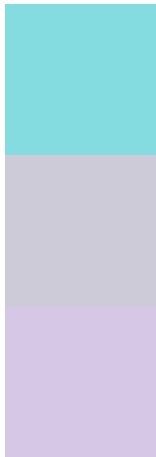


This preview shows how white text looks on a background with the XYZ color 48.6995, 61.5282,

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

48.6995, 61.5282, 80.5436

Protanopia

58.7985, 60.5973, 72.8874

Deuteranopia

62.0069, 60.6501, 82.5673



Tritanopia

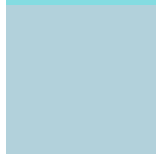
50.2034, 61.3498, 88.5526

Trichromacy



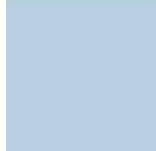
Original Color

48.6995, 61.5282, 80.5436



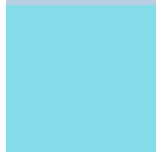
Protanomaly

53.9467, 60.1804, 75.7905



Deuteranomaly

56.0836, 60.4174, 82.1046



Tritanomaly

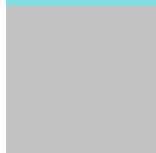
49.7285, 61.5576, 85.6048

Monochromacy



Original Color

48.6995, 61.5282, 80.5436



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

49.1700, 55.7776, 65.9322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6995, 61.5282, 80.5436 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(132, 220, 225)` looks like.

```
.text, #text, p{  
    color:rgb(132, 220, 225)  
}
```

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(132, 220, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 220, 225) }
```

Border

The CSS property to change the border of an element to XYZ 48.6995, 61.5282, 80.5436 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(132, 220, 225) }
```


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

```
.border{ border-color:rgb(132, 220, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 220, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 220, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 220, 225); box-shadow:4px 4px 4px 4px rgb(132, 220, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6995, 61.5282, 80.5436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 220, 225) }
```

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

```
.background{ background-color: rgb(132,  
220, 225) }
```

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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