

Converting Colors

XYZ(49.6466, 64.1683, 78.7977)

Have a look what the booklet for
XYZ(49.6466, 64.1683, 78.7977)
contains.

XYZ(49.6257, 64.0299, 78.8507)	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(49.6257, 64.0299,
78.8507)**

Conversions

Conversions Part 1

Format	Color
Hex	84E1DE
RGB	132, 225, 222
RGB Percent	52%, 88%, 87%
CMY	0.4823, 0.1176, 0.1294
CMYK	0.41, 0.00, 0.01, 0.12
HSL	178°, 61%, 70%
HSV	178°, 41%, 88%
XYZ	49.6257, 64.0299, 78.8507
YIQ	196.8510, -54.4650, -20.6490

Conversions

Conversions Part 2

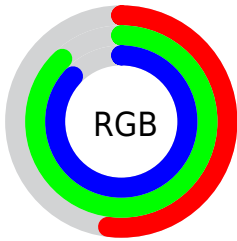
Format	Color
RYB	132, 179, 225
Decimal	8708574
CIELab	83.98, -28.34, -7.22
CIELCh	84, 29.242, 194.296
Yxy	64.0299, 0.2578, 0.3326
Android (android.graphics.Color)	4286898654 (0xFF84E1DE)
YUV	196.8510, 12.3985, -56.8743
Hunter-Lab	80.0187, -29.3312, -2.4115

Details

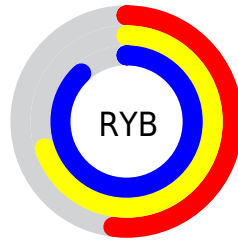
The XYZ color **49.6257, 64.0299, 78.8507** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.6779, 34.2611, 27.2348**, and the grayscale version is **52.9337, 55.6904, 60.6468**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **23.9871, 32.6218, 41.5916** is the 20% darker color. If you saturate the color by 10%, you get **46.3829, 62.3709, 78.1931**, and if you desaturate by 10%, it is **53.6315, 66.0852, 79.5489**.

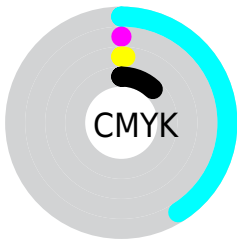
Distribution



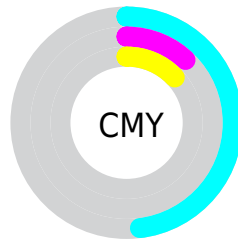
- Red (52%)
- Green (88%)
- Blue (87%)



- Red (52%)
- Yellow (70%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)



- Cyan (48%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6257, 64.0299, 78.8507 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 49.6257, 64.0299, 78.8507 by changing the saturation by 10% instead.

49.6257, 64.0299,
78.8507

49.6257, 64.0299,
78.8507

375.6766,
439.2976, 510.6554

35.3327, 46.6749,
58.2525

88.8152, 110.6540,
133.5454

24.0870, 32.7787,
41.5956

114.4424,
140.6919, 168.4790

15.5232, 21.9570,
28.4616

144.5783,
175.7262, 209.0281

9.2761, 13.8253,
18.4318

179.5883,
216.1413, 255.6112

4.9803, 7.9993,
11.0878

219.8378,
262.3216, 308.6470

2.2703, 4.0945,
6.0110

265.6921,

0.7794, 1.7265,

314.6515, 368.5539

2.7829

317.5166,
373.5153, 435.7505

■ 0.0000, 0.4408,
0.9849

■ 0.0000, 0.0000,
0.0000

■ 49.6257, 64.0299,
78.8507

■ 49.6257, 64.0299,
78.8507

■ 46.3829, 62.3709,
78.1931

■ 53.6315, 66.0852,
79.5489

■ 43.8481, 61.0754,
77.5695


■ 58.4394, 68.5525,
80.2855


■ 41.9682, 60.1174,
76.9787


■ 64.0927, 71.4555,
81.0639


■ 40.6800, 59.4644,
76.4178


■ 70.6300, 74.8142,
81.8858


 39.9081, 59.0775,
75.8832


 78.0874, 78.6471,
82.7529

 39.5472, 58.9009,
75.4361

 81.9432, 80.6234,
83.4538

 82.0434, 80.6634,
83.9810

 82.1439, 80.7036,
84.5105

 82.2449, 80.7440,
85.0422

Harmonies

Analogous

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



49.6945, 64.0299, 60.5486



49.6257, 64.0299, 78.8507



52.4152, 64.0299, 97.5466

Triad

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



49.6257, 64.0299, 78.8507



69.9266, 64.0299, 98.3201



64.2737, 64.0299, 40.8364

Complementary

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



49.6257, 64.0299, 78.8507



43.6779, 34.2611, 27.2348

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.



70.1631, 64.0299, 47.7594



49.6257, 64.0299, 78.8507



73.5805, 64.0299, 79.7687

Square

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



49.6257, 64.0299, 78.8507



63.9691, 64.0299, 110.0600



73.6700, 64.0299, 61.3186



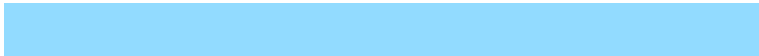
57.8504, 64.0299, 40.6786

Rectangle

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



49.6257, 64.0299, 78.8507



55.6419, 64.0299, 106.8218



73.6700, 64.0299, 61.3186



66.3914, 64.0299, 42.3863

Sweetspot

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



49.6276, 64.0324, 78.8522



84.5159, 94.5878, 107.5789



41.0997, 60.6781, 31.3769



17.8668, 20.1311, 22.9966



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.



49.6276, 64.0324, 78.8522



61.9813, 83.0282, 103.9301



39.7543, 43.6361, 77.5644



14.0965, 15.5643, 17.5432



22.7968, 33.9436, 43.5143



1.5862, 2.3552, 3.0483

Inverse Universe

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



43.6779, 34.2611, 27.2348



53.0327, 38.2237, 26.2751



50.6264, 48.4916, 28.5226



13.7251, 13.7077, 14.3225



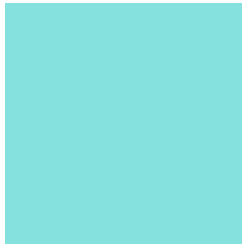
17.9243, 9.2367, 1.0013



1.2488, 0.6428, 0.1032

Previews

White Background



This preview shows how the XYZ color 49.6257, 64.0299, 78.8507 looks on a white background.

Color Contrast Check

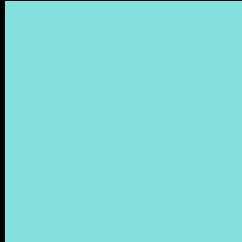
Large Text (above 18pt) WCAG AA × Fail

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 49.6257, 64.0299, 78.8507 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 49.6257, 64.0299, 78.8507

Background



This preview shows how black text looks on a background with the XYZ color 49.6257, 64.0299, 78.8507.

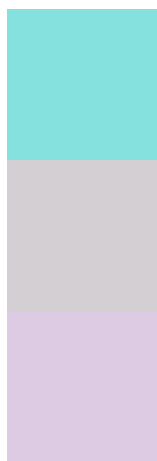


This preview shows how white text looks on a background with the XYZ color 49.6257, 64.0299,

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

49.6257, 64.0299, 78.8507

Protanopia

60.9347, 63.1777, 70.6109

Deuteranopia

64.7363, 63.4736, 81.5127



Tritanopia

52.1660, 63.8522, 92.0133

Trichromacy



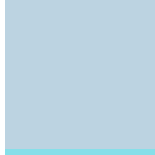
Original Color

49.6257, 64.0299, 78.8507



Protanomaly

55.6037, 62.9445, 73.5089



Deuteranomaly

57.6239, 62.7161, 80.3025



Tritanomaly

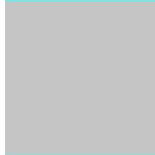
51.0873, 63.8094, 86.7147

Monochromacy



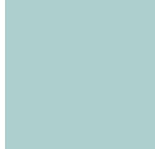
Original Color

49.6257, 64.0299, 78.8507



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.6870, 57.9661, 66.9096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6257, 64.0299, 78.8507 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, 225, 222)` looks like.

```
.text, #text, p{  
    color:rgb(132, 225, 222)  
}
```

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, 225, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 225, 222) }
```

Border

The CSS property to change the border of an element to XYZ 49.6257, 64.0299, 78.8507 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, 225, 222) }
```


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

```
.border{ border-color:rgb(132, 225, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 225, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 225, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 225, 222);  
box-shadow:4px 4px 4px 4px rgb(132, 225,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6257, 64.0299, 78.8507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 225, 222) }
```

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

```
.background{ background-color: rgb(132,  
225, 222) }
```

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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