

Converting Colors

XYZ(42.4796, 54.0256, 64.9417)

Have a look what the booklet for
XYZ(42.4796, 54.0256, 64.9417)
contains.

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Color

**XYZ(42.5413, 54.1694,
64.7135)**

Conversions

Conversions Part 1

Format	Color
Hex	82D0CB
RGB	130, 208, 203
RGB Percent	51%, 82%, 80%
CMY	0.4902, 0.1843, 0.2039
CMYK	0.37, 0.00, 0.02, 0.18
HSL	176°, 45%, 66%
HSV	176°, 37%, 82%
XYZ	42.5413, 54.1694, 64.7135
YIQ	184.1080, -44.8830, -18.0910

Conversions

Conversions Part 2

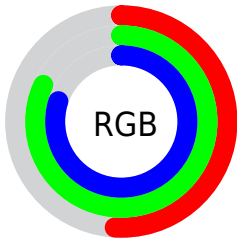
Format	Color
RYB	130, 170, 208
Decimal	8573131
CIELab	78.56, -25.12, -5.12
CIELCh	79, 25.637, 191.518
Yxy	54.1694, 0.2635, 0.3356
Android (android.graphics.Color)	4286763211 (0xFF82D0CB)
YUV	184.1080, 9.3138, -47.4527
Hunter-Lab	73.5999, -25.6254, -0.6115

Details

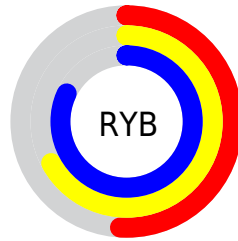
The XYZ color **42.5413, 54.1694, 64.7135** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.3701, 31.1260, 26.9093**, and the grayscale version is **45.5889, 47.9630, 52.2317**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **19.7177, 26.4482, 32.4996** is the 20% darker color. If you saturate the color by 10%, you get **39.5098, 52.6262, 63.7464**, and if you desaturate by 10%, it is **46.2222, 56.0499, 65.7205**.

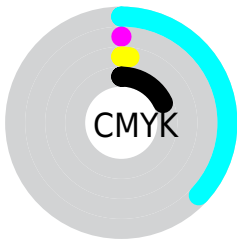
Distribution



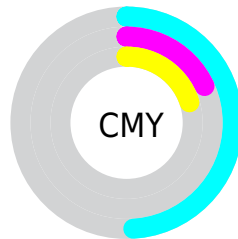
- Red (51%)
- Green (82%)
- Blue (80%)



- Red (51%)
- Yellow (67%)
- Blue (82%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)



- Cyan (49%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5413, 54.1694, 64.7135 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 42.5413, 54.1694, 64.7135 by changing the saturation by 10% instead.

■ 42.5413, 54.1694,
64.7135

■ 42.5413, 54.1694,
64.7135

347.6755,
402.7557, 460.0397

■ 29.7183, 38.7371,
46.7789

■ 78.2782, 96.3229,
113.2472

■ 19.7719, 26.5553,
32.5078

■ 101.9229,
123.8130, 144.6834

■ 12.3366, 17.2395,
21.4817

■ 129.9056,
156.0910, 181.4572

■ 7.0472, 10.4054,
13.2819

162.5915,
193.5415, 223.9872

■ 3.5382, 5.6686,
7.4899

200.3461,
236.5488, 272.6919

■ 1.4444, 2.6446,
3.6873

243.5348,

■ 0.2875, 0.9491,

285.4974, 327.9899

1.4554

292.5228,
340.7715, 390.2996

■ 0.0000, 0.0000,
0.1844

■ 0.0000, 0.0000,
0.0000

■ 42.5413, 54.1694,
64.7135

■ 42.5413, 54.1694,
64.7135

■ 39.5098, 52.6262,
63.7464

■ 46.2222, 56.0499,
65.7205

■ 37.0839, 51.3938,
62.8137

■ 50.5837, 58.2797,
66.7652

■ 35.2218, 50.4518,
61.9144

■ 55.6605, 60.8781,
67.8507

■ 33.8745, 49.7750,
61.0463

■ 61.4835, 63.8611,
68.9782

■ 32.9844, 49.3339,
60.2066

■ 68.0821, 67.2437,
70.1493

■ 32.4720, 49.0872,
59.3917

■ 75.4838, 71.0401,
71.3652

■ 32.3692, 49.0386,
59.1903

■ 75.7233, 71.1442,
72.2531

■ 75.8927, 71.2120,
73.1450

■ 76.0635, 71.2803,
74.0443

Harmonies

Analogous

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



42.8108, 54.1694, 50.5933



42.5413, 54.1694, 64.7135



44.5492, 54.1694, 79.4141

Triad

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



42.5413, 54.1694, 64.7135



58.1986, 54.1694, 82.3637



54.6280, 54.1694, 36.3321

Complementary

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



42.5413, 54.1694, 64.7135



38.3701, 31.1260, 26.9093

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.



59.1087, 54.1694, 42.3934



42.5413, 54.1694, 64.7135



61.2614, 54.1694, 68.2486

Square

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



42.5413, 54.1694, 64.7135



53.4508, 54.1694, 90.6618



61.6049, 54.1694, 53.5979



49.5707, 54.1694, 35.7025

Rectangle

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



42.5413, 54.1694, 64.7135



46.9909, 54.1694, 86.9740



61.6049, 54.1694, 53.5979



56.2598, 54.1694, 37.7492

Sweetspot

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



42.5429, 54.1716, 64.7148



85.1845, 94.9474, 106.9336



36.6107, 51.8932, 29.2070



17.9944, 20.2005, 22.8375



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.



42.5429, 54.1716, 64.7148



63.5050, 83.8722, 101.3570



35.7675, 39.6511, 65.4453



12.1243, 13.3935, 15.0108



20.1872, 30.5678, 36.9617



1.1389, 1.7132, 2.1199

Inverse Universe

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



38.3701, 31.1260, 26.9093



55.9691, 42.2151, 33.0535



43.2833, 41.5029, 26.8498



11.8390, 11.8204, 12.4282



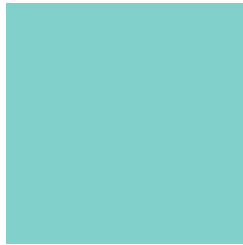
16.2716, 8.3815, 1.0705



0.9208, 0.4730, 0.1179

Previews

White Background



This preview shows how the XYZ color 42.5413, 54.1694, 64.7135 looks on a white background.

Color Contrast Check

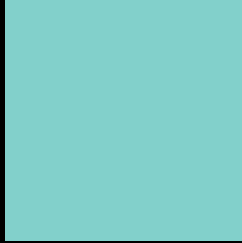
Large Text (above 18pt) WCAG AA × Fail

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 42.5413, 54.1694, 64.7135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

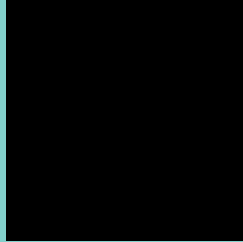
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5413, 54.1694, 64.7135

Background



This preview shows how black text looks on a background with the XYZ color 42.5413, 54.1694, 64.7135.



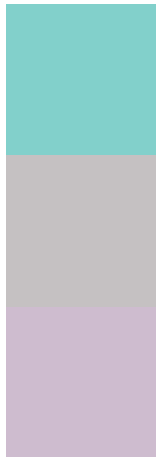
This preview shows how white text looks on a background with the XYZ color 42.5413, 54.1694,

64.7135.

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

42.5413, 54.1694, 64.7135

Protanopia

51.8335, 53.9053, 58.7118

Deuteranopia

54.6993, 53.5932, 66.4931



Tritanopia

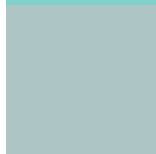
45.0078, 54.0875, 77.1750

Trichromacy



Original Color

42.5413, 54.1694, 64.7135



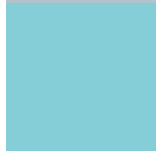
Protanomaly

47.5057, 53.3036, 60.6081



Deuteranomaly

49.0158, 52.9514, 66.0298



Tritanomaly

44.0099, 54.0355, 72.4003

Monochromacy



Original Color

42.5413, 54.1694, 64.7135



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.7838, 49.7940, 56.5938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5413, 54.1694, 64.7135 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(130, 208, 203)` looks like.

```
.text, #text, p{  
    color:rgb(130, 208, 203)  
}
```

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(130, 208, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 208, 203) }
```

Border

The CSS property to change the border of an element to XYZ 42.5413, 54.1694, 64.7135 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(130, 208, 203) }
```


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

```
.border{ border-color:rgb(130, 208, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 208, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 208, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 208, 203);  
box-shadow:4px 4px 4px 4px rgb(130, 208,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5413, 54.1694, 64.7135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 208, 203) }
```

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

```
.background{ background-color: rgb(130,  
208, 203) }
```

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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