

Converting Colors

XYZ(42.5631, 52.6187, 74.4126)

Have a look what the booklet for
XYZ(42.5631, 52.6187, 74.4126)
contains.

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Color

**XYZ(42.4161, 52.4586,
74.2196)**

Conversions

Conversions Part 1

Format	Color
Hex	7BCCDA
RGB	123, 204, 218
RGB Percent	48%, 80%, 85%
CMY	0.5176, 0.2000, 0.1451
CMYK	0.44, 0.06, 0.00, 0.15
HSL	189°, 56%, 67%
HSV	189°, 44%, 85%
XYZ	42.4161, 52.4586, 74.2196
YIQ	181.3770, -52.7700, -12.8180

Conversions

Conversions Part 2

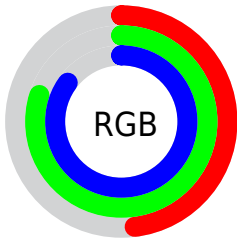
Format	Color
RYB	123, 167, 218
Decimal	8113370
CIELab	77.55, -21.16, -14.71
CIELCh	78, 25.773, 214.815
Yxy	52.4586, 0.2508, 0.3102
Android (android.graphics.Color)	4286303450 (0xFF7BCCDA)
YUV	181.3770, 18.0551, -51.1966
Hunter-Lab	72.4283, -22.2148, -10.0565

Details

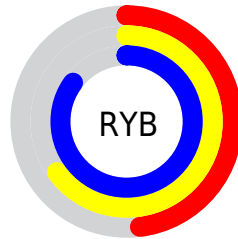
The XYZ color **42.4161, 52.4586, 74.2196** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.4352, 34.2277, 23.1630**, and the grayscale version is **44.0521, 46.3462, 50.4710**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **19.7640, 25.6153, 38.5529** is the 20% darker color. If you saturate the color by 10%, you get **38.8827, 49.5165, 73.8389**, and if you desaturate by 10%, it is **46.6628, 55.7942, 74.6405**.

Distribution



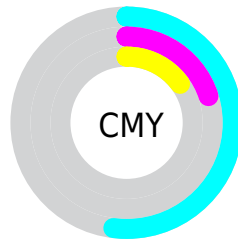
- Red (48%)
- Green (80%)
- Blue (85%)



- Red (48%)
- Yellow (65%)
- Blue (85%)



- Cyan (44%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (52%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4161, 52.4586, 74.2196 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 42.4161, 52.4586, 74.2196 by changing the saturation by 10% instead.

■ 42.4161, 52.4586,
74.2196

■ 42.4161, 52.4586,
74.2196

347.1673,
396.2045, 494.4146

■ 29.6198, 37.3707,
54.4759

■ 78.0902, 93.8072,
126.9440

■ 19.6968, 25.4947,
38.5865

■ 101.6987,
120.8368, 160.7617

■ 12.2818, 16.4460,
26.1329

■ 129.6420,
152.6157, 200.1080

■ 7.0095, 9.8403,
16.6964

162.2854,
189.5284, 245.4012

■ 3.5144, 5.2932,
9.8586

199.9942,
231.9592, 297.0599

■ 1.4313, 2.4203,
5.2009

243.1339,

■ 0.2783, 0.8363,

280.2926, 355.5027

2.3048

292.0698,
334.9129, 421.1481

■ 0.0000, 0.0000,
0.7339

■ 0.0000, 0.0000,
0.0000

■ 42.4161, 52.4586,
74.2196

■ 42.4161, 52.4586,
74.2196

■ 38.8827, 49.5165,
73.8389

■ 46.6628, 55.7942,
74.6405

■ 36.0112, 46.9376,
73.4924


■ 51.6603, 59.5393,
75.1000

■ 33.7505, 44.6967,
73.1791


■ 57.4495, 63.7160,
75.6011


■ 32.0403, 42.7625,
72.8959


■ 64.0666, 68.3434,
76.1455


 30.8071, 41.0971,
72.6394


 71.5455, 73.4390,
76.7349

 30.1884, 40.1287,
72.4851

 79.9185, 79.0196,
77.3707

 81.2247, 80.9812,
77.6805

 82.1089, 82.7497,
77.9752

 83.0096, 84.5511,
78.2755

Harmonies

Analogous

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



40.9278, 52.4586, 59.4477



42.4161, 52.4586, 74.2196



45.9017, 52.4586, 85.6505

Triad

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



42.4161, 52.4586, 74.2196



59.0217, 52.4586, 69.5798



49.0622, 52.4586, 33.9490

Complementary

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



42.4161, 52.4586, 74.2196



41.4352, 34.2277, 23.1630

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.



54.0402, 52.4586, 35.7516



42.4161, 52.4586, 74.2196



60.0063, 52.4586, 54.8510

Square

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



42.4161, 52.4586, 74.2196



55.5201, 52.4586, 82.6748



58.1282, 52.4586, 42.8694



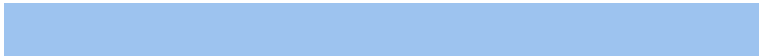
44.5989, 52.4586, 37.4597

Rectangle

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



42.4161, 52.4586, 74.2196



49.0013, 52.4586, 88.9552



58.1282, 52.4586, 42.8694



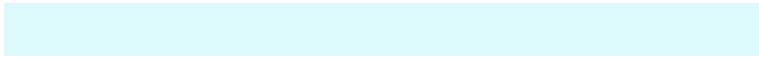
50.7293, 52.4586, 33.9599

Sweetspot

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



42.4177, 52.4606, 74.2208



82.3497, 91.1688, 107.8648



37.6613, 56.1230, 32.0178



17.2086, 19.2168, 23.0522



0.0000, 0.0000, 0.0000



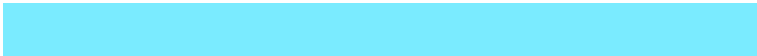
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4177, 52.4606, 74.2208



55.9734, 71.0680, 105.3751



33.0230, 33.6712, 71.0893



13.2729, 14.4855, 16.7486



18.1479, 24.1652, 43.4463



1.2212, 1.6565, 2.8298

Inverse Universe

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



46.8968, 33.4324, 61.1102



63.3109, 41.3024, 83.5824



49.4576, 50.2725, 25.8371



13.5276, 13.2401, 16.0396



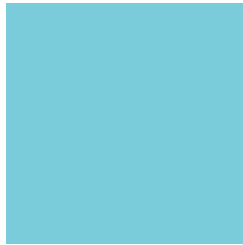
22.6556, 11.0633, 28.8958



1.4907, 0.7259, 1.9929

Previews

White Background



This preview shows how the XYZ color 42.4161, 52.4586, 74.2196 looks on a white background.

Color Contrast Check

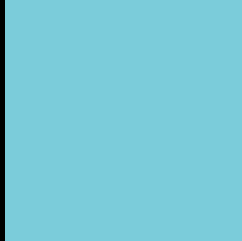
Large Text (above 18pt) WCAG AA × Fail

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 42.4161, 52.4586, 74.2196 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 42.4161, 52.4586, 74.2196

Background



This preview shows how black text looks on a background with the XYZ color 42.4161, 52.4586, 74.2196.

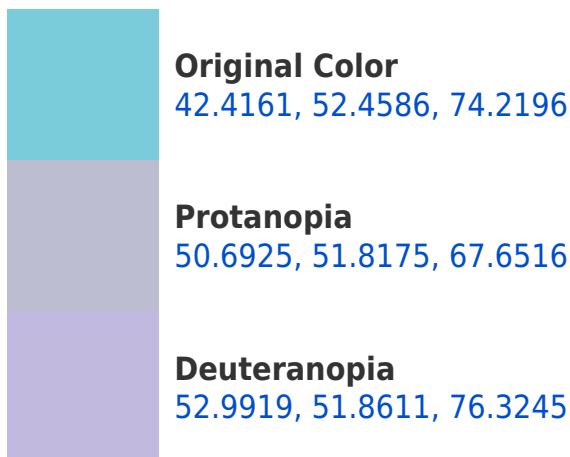


This preview shows how white text looks on a background with the XYZ color 42.4161, 52.4586,

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





Tritanopia

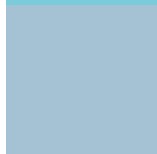
42.8233, 52.6381, 75.6133

Trichromacy



Original Color

42.4161, 52.4586, 74.2196



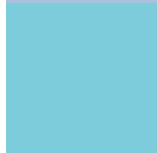
Protanomaly

46.6925, 51.3364, 69.7353



Deuteranomaly

48.2696, 51.6852, 75.8388



Tritanomaly

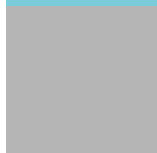
42.6912, 52.5853, 74.9177

Monochromacy



Original Color

42.4161, 52.4586, 74.2196



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

42.4324, 47.7638, 58.0218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4161, 52.4586, 74.2196 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(123, 204, 218)` looks like.

```
.text, #text, p{  
    color:rgb(123, 204, 218)  
}
```

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(123, 204, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 204, 218) }
```

Border

The CSS property to change the border of an element to XYZ 42.4161, 52.4586, 74.2196 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(123, 204, 218) }
```


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

```
.border{ border-color:rgb(123, 204, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 204, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 204, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 204, 218);  
box-shadow:4px 4px 4px 4px rgb(123, 204,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4161, 52.4586, 74.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 204, 218) }
```

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

```
.background{ background-color: rgb(123,  
204, 218) }
```

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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