

Converting Colors

XYZ(41.8300, 52.7006, 65.7263)

Have a look what the booklet for
XYZ(41.8300, 52.7006, 65.7263)
contains.

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Color

**XYZ(41.9040, 52.7375,
65.7284)**

Conversions

Conversions Part 1

Format	Color
Hex	81CDCD
RGB	129, 205, 205
RGB Percent	51%, 80%, 80%
CMY	0.4941, 0.1961, 0.1961
CMYK	0.37, 0.00, 0.00, 0.20
HSL	180°, 43%, 65%
HSV	180°, 37%, 80%
XYZ	41.9040, 52.7375, 65.7284
YIQ	182.2760, -45.2960, -16.1120

Conversions

Conversions Part 2

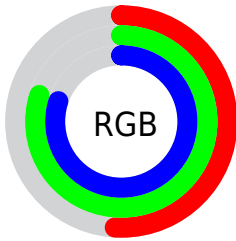
Format	Color
RYB	129, 167, 205
Decimal	8506829
CIELab	77.72, -23.42, -7.44
CIELCh	78, 24.571, 197.633
Yxy	52.7375, 0.2613, 0.3288
Android (android.graphics.Color)	4286696909 (0xFF81CDCD)
YUV	182.2760, 11.2029, -46.7231
Hunter-Lab	72.6206, -24.0868, -2.8286

Details

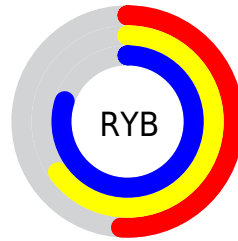
The XYZ color **41.9040, 52.7375, 65.7284** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.9913, 30.2662, 24.6631**, and the grayscale version is **44.5736, 46.8949, 51.0685**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **19.4766, 25.8234, 33.2361** is the 20% darker color. If you saturate the color by 10%, you get **39.0974, 51.2919, 65.5978**, and if you desaturate by 10%, it is **45.3384, 54.5093, 65.8906**.

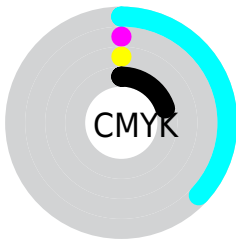
Distribution



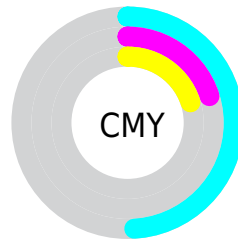
- Red (51%)
- Green (80%)
- Blue (80%)



- Red (51%)
- Yellow (65%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9040, 52.7375, 65.7284 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 41.9040, 52.7375, 65.7284 by changing the saturation by 10% instead.

■ 41.9040, 52.7375,
65.7284

■ 41.9040, 52.7375,
65.7284

345.0832,
397.2772, 463.7826

■ 29.2169, 37.5933,
47.5969

■ 77.3204, 94.2180,
114.7197

■ 19.3901, 25.6672,
33.1500

■ 100.7804,
121.3230, 146.4166

■ 12.0582, 16.5748,
21.9693

■ 128.5621,
153.1838, 183.4723

■ 6.8558, 9.9318,
13.6363

161.0308,
190.1847, 226.3054

■ 3.4176, 5.3538,
7.7323

198.5519,
232.7100, 275.3344

■ 1.3782, 2.4563,
3.8388

241.4908,

■ 0.2407, 0.8546,

281.1443, 330.9780

1.5373

290.2128,
335.8719, 393.6545

■ 0.0000, 0.0000,
0.2455

■ 0.0000, 0.0000,
0.0000

■ 41.9040, 52.7375,
65.7284

■ 41.9040, 52.7375,
65.7284

■ 39.0974, 51.2919,
65.5978

■ 45.3384, 54.5093,
65.8906

■ 36.8764, 50.1470,
65.4935

■ 49.4304, 56.6188,
66.0825

■ 35.2009, 49.2832,
65.4148

■ 54.2134, 59.0845,
66.3067

■ 34.0239, 48.6765,
65.3593

■ 59.7174, 61.9219,
66.5646

■ 33.2904, 48.2983,
65.3246

■ 65.9704, 65.1454,
66.8576

■ 32.9265, 48.1108,
65.3072

■ 72.9991, 68.7688,
67.1869

■ 32.8514, 48.0720,
65.3036

■ 74.0923, 69.3324,
67.2385

■ 74.0923, 69.3324,
67.2388

■ 74.0924, 69.3324,
67.2392

Harmonies

Analogous

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



41.7113, 52.7375, 51.9926



41.9040, 52.7375, 65.7284



44.2109, 52.7375, 79.0324

Triad

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



41.9040, 52.7375, 65.7284



57.1916, 52.7375, 76.9454



52.1100, 52.7375, 35.4470

Complementary

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



41.9040, 52.7375, 65.7284



36.9913, 30.2662, 24.6631

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.



56.5453, 52.7375, 40.1609



41.9040, 52.7375, 65.7284



59.6012, 52.7375, 63.2172

Square

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



41.9040, 52.7375, 65.7284



52.9475, 52.7375, 86.1795



59.3574, 52.7375, 49.8470



47.4054, 52.7375, 35.9006

Rectangle

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



41.9040, 52.7375, 65.7284



46.7247, 52.7375, 85.2130



59.3574, 52.7375, 49.8470



53.6873, 52.7375, 36.4444

Sweetspot

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



41.9056, 52.7396, 65.7296



85.4727, 95.0627, 108.4511



35.0422, 50.0166, 28.5773



18.0636, 20.2282, 23.2022



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.



41.9056, 52.7396, 65.7296



65.1026, 84.5616, 107.4958



34.1262, 37.1804, 63.1378



11.5433, 12.7271, 14.4185



20.4504, 29.9255, 40.6524



1.0550, 1.5438, 2.0972

Inverse Universe

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



36.9913, 30.2662, 24.6631



55.9755, 42.8221, 31.2237



42.7289, 41.7415, 26.5749



11.2124, 11.2137, 11.6530



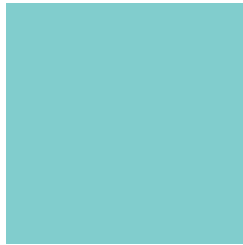
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 41.9040, 52.7375, 65.7284 looks on a white background.

Color Contrast Check

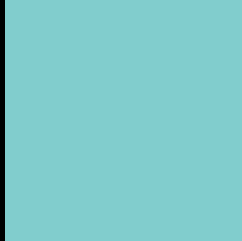
Large Text (above 18pt) WCAG AA × Fail

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 41.9040, 52.7375, 65.7284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

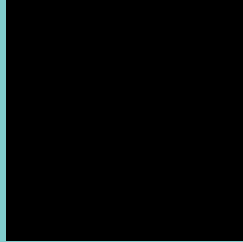
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9040, 52.7375, 65.7284

Background



This preview shows how black text looks on a background with the XYZ color 41.9040, 52.7375, 65.7284.

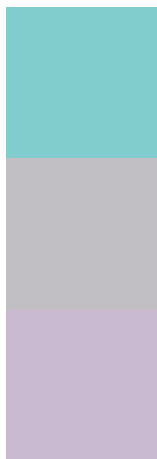


This preview shows how white text looks on a background with the XYZ color 41.9040, 52.7375, 65.7284.

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

41.9040, 52.7375, 65.7284

Protanopia

50.3696, 52.1499, 59.6357

Deuteranopia

53.4247, 52.2778, 67.5964



Tritanopia

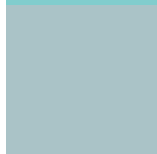
43.8150, 52.8129, 74.9024

Trichromacy



Original Color

41.9040, 52.7375, 65.7284



Protanomaly

46.4015, 51.6998, 61.5663



Deuteranomaly

48.1343, 51.8080, 67.1375



Tritanomaly

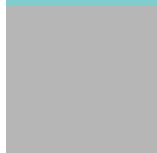
43.2462, 52.9463, 71.5587

Monochromacy



Original Color

41.9040, 52.7375, 65.7284



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

42.8120, 48.3311, 55.7876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9040, 52.7375, 65.7284 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(129, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(129, 205, 205)  
}
```

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(129, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 205, 205) }
```

Border

The CSS property to change the border of an element to XYZ 41.9040, 52.7375, 65.7284 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(129, 205, 205) }
```


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

```
.border{ border-color:rgb(129, 205, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(129, 205,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9040, 52.7375, 65.7284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 205, 205) }
```

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

```
.background{ background-color: rgb(129,  
205, 205) }
```

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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