

Converting Colors

XYZ(41.9711, 52.2105, 79.0369)

Have a look what the booklet for
XYZ(41.9711, 52.2105, 79.0369)
contains.

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Color

**XYZ(41.8656, 52.0667,
79.0775)**

Conversions

Conversions Part 1

Format	Color
Hex	70CCE1
RGB	112, 204, 225
RGB Percent	44%, 80%, 88%
CMY	0.5608, 0.2000, 0.1176
CMYK	0.50, 0.09, 0.00, 0.12
HSL	191°, 65%, 66%
HSV	191°, 50%, 88%
XYZ	41.8656, 52.0667, 79.0775
YIQ	178.8860, -61.5730, -12.9730

Conversions

Conversions Part 2

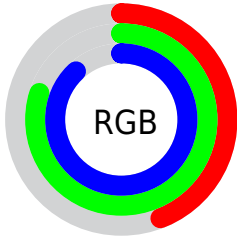
Format	Color
R _Y B	112, 163, 225
Decimal	7392481
CIE Lab	77.32, -21.81, -18.88
CIE LCh	77, 28.847, 220.872
Yxy	52.0667, 0.2420, 0.3009
Android (android.graphics.Color)	4285582561 (0xFF70CCE1)
YUV	178.8860, 22.7342, -58.6590
Hunter-Lab	72.1573, -22.7096, -14.4661

Details

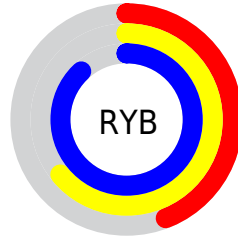
The XYZ color **41.8656, 52.0667, 79.0775** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.3647, 33.9538, 19.6518**, and the grayscale version is **42.6948, 44.9183, 48.9160**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **19.4287, 25.3679, 41.9027** is the 20% darker color. If you saturate the color by 10%, you get **38.3724, 48.8114, 78.6342**, and if you desaturate by 10%, it is **46.1040, 55.7480, 79.5656**.

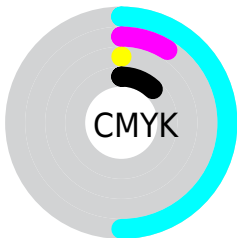
Distribution



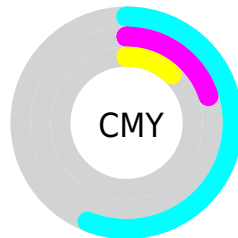
- Red (44%)
- Green (80%)
- Blue (88%)



- Red (44%)
- Yellow (64%)
- Blue (88%)



- Cyan (50%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)



- Cyan (56%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8656, 52.0667, 79.0775 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 41.8656, 52.0667, 79.0775 by changing the saturation by 10% instead.

■ 41.8656, 52.0667,
79.0775

■ 41.8656, 52.0667,
79.0775

344.9266,
394.6941, 511.4430

■ 29.1867, 37.0582,
58.4378

■ 77.2626, 93.2296,
133.8676

■ 19.3671, 25.2526,
41.7437

■ 100.7115,
120.1528, 168.8551

■ 12.0414, 16.2653,
28.5766

■ 128.4810,
151.8164, 209.4624

■ 6.8443, 9.7121,
18.5179

160.9366,
188.6048, 256.1079

■ 3.4104, 5.2085,
11.1492

198.4436,
230.9024, 309.2101

■ 1.3743, 2.3701,
6.0518

241.3674,

■ 0.2378, 0.8104,

279.0935, 369.1877

2.8073

290.0732,
333.5626, 436.4592

■ 0.0000, 0.0000,
0.9971

■ 0.0000, 0.0000,
0.0000

■ 41.8656, 52.0667,
79.0775

■ 41.8656, 52.0667,
79.0775

■ 38.3724, 48.8114,
78.6342

■ 46.1040, 55.7480,
79.5656

■ 35.5649, 45.9478,
78.2295


■ 51.1316, 59.8750,
80.0972


■ 33.3825, 43.4454,
77.8615


■ 56.9946, 64.4729,
80.6757


■ 31.7512, 41.2658,
77.5267


■ 63.7343, 69.5632,
81.3030


 30.5633, 39.3813,
77.2256

 71.3891, 75.1661,
81.9810

 79.9952, 81.3004,
82.7115

 84.0467, 85.1282,
83.2368

 85.2463, 87.5274,
83.6366

 86.4742, 89.9831,
84.0459

Harmonies

Analogous

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



39.7511, 52.0667, 62.6399



41.8656, 52.0667, 79.0775



46.0804, 52.0667, 90.6558

Triad

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



41.8656, 52.0667, 79.0775



60.2439, 52.0667, 67.2818



47.5067, 52.0667, 31.7099

Complementary

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



41.8656, 52.0667, 79.0775



42.3647, 33.9538, 19.6518

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.



53.0592, 52.0667, 32.4874



41.8656, 52.0667, 79.0775



60.6974, 52.0667, 51.1327

Square

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



41.8656, 52.0667, 79.0775



56.7870, 52.0667, 83.0162



57.9833, 52.0667, 38.9879



42.8426, 52.0667, 36.6191

Rectangle

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



41.8656, 52.0667, 79.0775



49.6501, 52.0667, 92.9725



57.9833, 52.0667, 38.9879



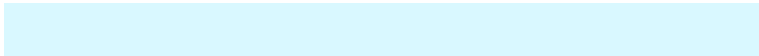
49.3259, 52.0667, 31.3421

Sweetspot

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



41.8672, 52.0687, 79.0787



80.1252, 89.0018, 107.5638



37.8228, 58.9820, 31.4808



16.7486, 18.7458, 22.9855



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.



41.8672, 52.0687, 79.0787



50.8805, 64.7468, 104.4234



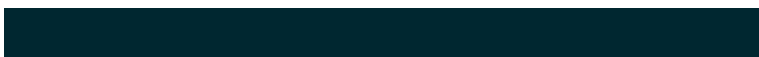
30.8302, 29.9947, 75.3997



13.8887, 15.1165, 17.5735



17.6920, 22.8536, 44.5271



1.2831, 1.6977, 3.1053

Inverse Universe

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



47.7460, 31.9571, 60.7806



59.7969, 36.2850, 76.2127



52.2215, 53.6674, 22.9374



14.1800, 13.8897, 16.7183



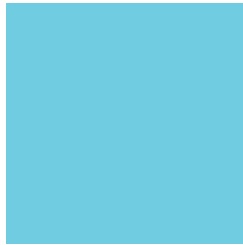
22.8703, 11.2151, 27.0465



1.6139, 0.7888, 2.0257

Previews

White Background



This preview shows how the XYZ color 41.8656, 52.0667, 79.0775 looks on a white background.

Color Contrast Check

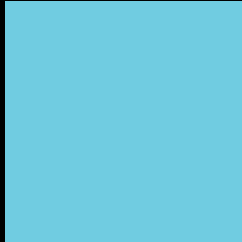
Large Text (above 18pt) WCAG AA × Fail

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 41.8656, 52.0667, 79.0775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

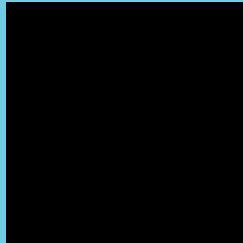
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8656, 52.0667, 79.0775

Background



This preview shows how black text looks on a background with the XYZ color 41.8656, 52.0667, 79.0775.



This preview shows how white text looks on a background with the XYZ color 41.8656, 52.0667,

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

41.8656, 52.0667, 79.0775

Protanopia

50.4987, 51.3118, 71.5326

Deuteranopia

52.6880, 51.5938, 81.3104



Tritanopia

41.4380, 52.2626, 76.3103

Trichromacy



Original Color

41.8656, 52.0667, 79.0775

Protanomaly

46.3760, 51.0690, 74.4309

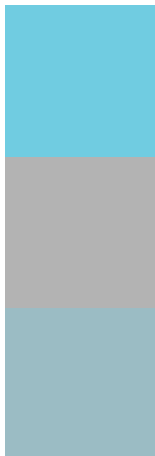
Deuteranomaly

47.7715, 51.3184, 80.7864

Tritanomaly

41.5717, 52.3161, 77.0142

Monochromacy



Original Color

41.8656, 52.0667, 79.0775

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.4646, 46.9205, 59.0957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8656, 52.0667, 79.0775 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(112, 204, 225)` looks like.

```
.text, #text, p{  
    color:rgb(112, 204, 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(112, 204, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 204, 225) }
```

Border

The CSS property to change the border of an element to XYZ 41.8656, 52.0667, 79.0775 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(112, 204, 225) }
```


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

```
.border{ border-color:rgb(112, 204, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 204, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 204, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 204, 225);  
box-shadow:4px 4px 4px 4px rgb(112, 204,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8656, 52.0667, 79.0775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 204, 225) }
```

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

```
.background{ background-color: rgb(112,  
204, 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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