

Converting Colors

XYZ(41.5019, 52.0165, 69.1878)

Have a look what the booklet for
XYZ(41.5019, 52.0165, 69.1878)
contains.

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Color

**XYZ(41.6629, 52.1740,
69.5027)**

Conversions

Conversions Part 1

Format	Color
Hex	7CCCD3
RGB	124, 204, 211
RGB Percent	49%, 80%, 83%
CMY	0.5137, 0.2000, 0.1725
CMYK	0.41, 0.03, 0.00, 0.17
HSL	185°, 50%, 66%
HSV	185°, 41%, 83%
XYZ	41.6629, 52.1740, 69.5027
YIQ	180.8780, -49.9270, -14.7830

Conversions

Conversions Part 2

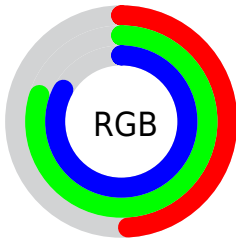
Format	Color
RYB	124, 166, 211
Decimal	8178899
CIELab	77.38, -22.70, -11.20
CIElCh	77, 25.315, 206.249
Yxy	52.1740, 0.2551, 0.3194
Android (android.graphics.Color)	4286368979 (0xFF7CCCD3)
YUV	180.8780, 14.8501, -49.8820
Hunter-Lab	72.2316, -23.4471, -6.4880

Details

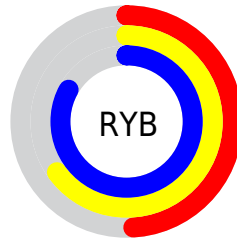
The XYZ color **41.6629, 52.1740, 69.5027** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.6191, 31.5373, 23.1218**, and the grayscale version is **43.7980, 46.0789, 50.1800**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **19.3760, 25.4760, 35.7944** is the 20% darker color. If you saturate the color by 10%, you get **38.5330, 49.9661, 69.2424**, and if you desaturate by 10%, it is **45.4527, 54.7311, 69.7974**.

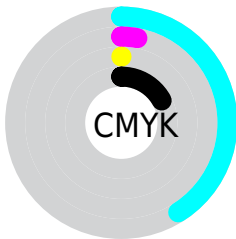
Distribution



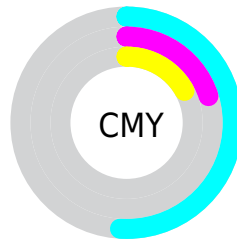
- Red (49%)
- Green (80%)
- Blue (83%)



- Red (49%)
- Yellow (65%)
- Blue (83%)



- Cyan (41%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)



- Cyan (51%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6629, 52.1740, 69.5027 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 41.6629, 52.1740, 69.5027 by changing the saturation by 10% instead.

■ 41.6629, 52.1740,
69.5027

■ 41.6629, 52.1740,
69.5027

344.0991,
395.1080, 477.5438

■ 29.0274, 37.1438,
50.6469

■ 76.9576, 93.3878,
120.1738

■ 19.2459, 25.3188,
35.5529

■ 100.3474,
120.3402, 152.8261

■ 11.9532, 16.3148,
23.8021

■ 128.0527,
152.0354, 190.9144

■ 6.7838, 9.7472,
14.9761

160.4389,
188.8579, 234.8572

■ 3.3724, 5.2316,
8.6562

197.8713,
231.1920, 285.0730

■ 1.3536, 2.3838,
4.4239

240.7152,

■ 0.2228, 0.8175,

279.4221, 341.9803

1.8606

289.3360,
333.9326, 405.9977

■ 0.0000, 0.0000,
0.4675

■ 0.0000, 0.0000,
0.0000

■ 41.6629, 52.1740,
69.5027

■ 41.6629, 52.1740,
69.5027

■ 38.5330, 49.9661,
69.2424

■ 45.4527, 54.7311,
69.7974

■ 36.0163, 48.0796,
69.0109

■ 49.9361, 57.6510,
70.1247

■ 34.0675, 46.4923,
68.8073

■ 55.1498, 60.9541,
70.4875

■ 32.6328, 45.1766,
68.6289

■ 61.1270, 64.6572,
70.8872

■ 31.6483, 44.0993,
68.4729

■ 67.8983, 68.7764,
71.3254

■ 31.0564, 43.2999,
68.3498

■ 75.4932, 73.3268,
71.8034

■ 77.5242, 75.0155,
72.0224

■ 77.9610, 75.8891,
72.1680

■ 78.4022, 76.7716,
72.3150

Harmonies

Analogous

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



40.8274, 52.1740, 55.0737



41.6629, 52.1740, 69.5027



44.5712, 52.1740, 82.1273

Triad

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



41.6629, 52.1740, 69.5027



57.7830, 52.1740, 73.0339



50.2044, 52.1740, 34.0462

Complementary

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



41.6629, 52.1740, 69.5027



38.6191, 31.5373, 23.1218

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.



54.9717, 52.1740, 37.3149



41.6629, 52.1740, 69.5027



59.5241, 52.1740, 58.5796

Square

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



41.6629, 52.1740, 69.5027



53.8440, 52.1740, 84.3889



58.4634, 52.1740, 45.7627



45.5659, 52.1740, 36.0060

Rectangle

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



41.6629, 52.1740, 69.5027



47.3989, 52.1740, 87.0132



58.4634, 52.1740, 45.7627



51.8472, 52.1740, 34.5538

Sweetspot

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



41.6645, 52.1760, 69.5039



83.8944, 93.0909, 108.1544



35.6234, 52.4810, 29.3023



17.7195, 19.7761, 23.1332



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.



41.6645, 52.1760, 69.5039



59.9008, 77.2441, 106.3602



32.9387, 34.7246, 66.5953



12.0736, 13.2376, 15.1624



18.7778, 26.2022, 41.2603



1.0746, 1.5143, 2.3152

Inverse Universe

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



44.9720, 32.6251, 61.0560



65.7030, 43.8281, 91.3426



45.5043, 45.3076, 25.4169



12.2681, 11.9920, 14.6874



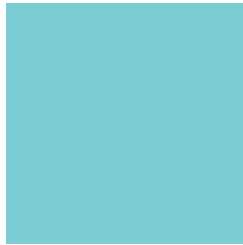
22.1089, 10.7164, 31.8092



1.2486, 0.6042, 1.8440

Previews

White Background



This preview shows how the XYZ color 41.6629, 52.1740, 69.5027 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 41.6629, 52.1740, 69.5027 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 41.6629, 52.1740, 69.5027

Background



This preview shows how black text looks on a background with the XYZ color 41.6629, 52.1740, 69.5027.

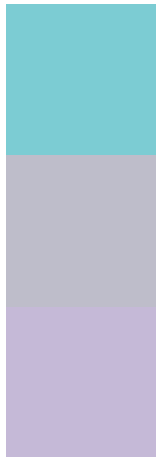


This preview shows how white text looks on a background with the XYZ color 41.6629, 52.1740,

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

41.6629, 52.1740, 69.5027

Protanopia

50.0935, 51.6066, 63.1980

Deuteranopia

52.6407, 51.4745, 71.4511



Tritanopia

42.7463, 52.2620, 74.8524

Trichromacy



Original Color

41.6629, 52.1740, 69.5027

Protanomaly

46.0371, 51.0983, 65.1942

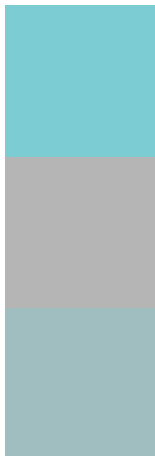
Deuteranomaly

47.5648, 51.1004, 70.9748

Tritanomaly

42.2081, 52.0297, 72.7839

Monochromacy



Original Color

41.6629, 52.1740, 69.5027

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.2092, 47.6745, 56.8466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6629, 52.1740, 69.5027 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(124, 204, 211)` looks like.

```
.text, #text, p{  
    color:rgb(124, 204, 211)  
}
```

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(124, 204, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 204, 211) }
```

Border

The CSS property to change the border of an element to XYZ 41.6629, 52.1740, 69.5027 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(124, 204, 211) }
```


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

```
.border{ border-color:rgb(124, 204, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 204, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 204, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 204, 211);  
box-shadow:4px 4px 4px 4px rgb(124, 204,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6629, 52.1740, 69.5027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 204, 211) }
```

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

```
.background{ background-color: rgb(124,  
204, 211) }
```

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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