

Converting Colors

XYZ(40.2473, 51.9099, 65.6322)

Have a look what the booklet for
XYZ(40.2473, 51.9099, 65.6322)
contains.

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Color

**XYZ(40.1869, 51.8523,
65.6480)**

Conversions

Conversions Part 1

Format	Color
Hex	75CDCD
RGB	117, 205, 205
RGB Percent	46%, 80%, 80%
CMY	0.5412, 0.1961, 0.1961
CMYK	0.43, 0.00, 0.00, 0.20
HSL	180°, 47%, 63%
HSV	180°, 43%, 80%
XYZ	40.1869, 51.8523, 65.6480
YIQ	178.6880, -52.4480, -18.6560

Conversions

Conversions Part 2

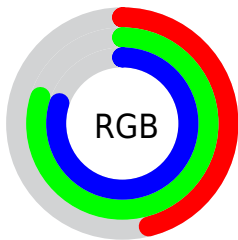
Format	Color
RYB	117, 161, 205
Decimal	7720397
CIELab	77.19, -26.41, -8.28
CIELCh	77, 27.683, 197.411
Yxy	51.8523, 0.2549, 0.3288
Android (android.graphics.Color)	4285910477 (0xFF75CDCD)
YUV	178.6880, 12.9718, -54.1004
Hunter-Lab	72.0085, -26.3967, -3.6469

Details

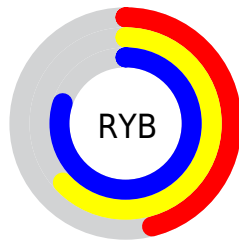
The XYZ color **40.1869, 51.8523, 65.6480** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.7508, 26.9877, 20.2091**, and the grayscale version is **42.6362, 44.8566, 48.8489**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **18.2959, 24.9769, 33.1349** is the 20% darker color. If you saturate the color by 10%, you get **37.7288, 50.5863, 65.5338**, and if you desaturate by 10%, it is **43.2513, 53.4333, 65.7928**.

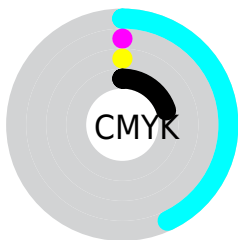
Distribution



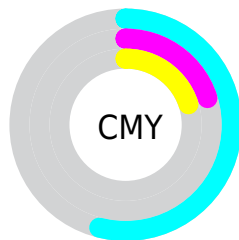
- Red (46%)
- Green (80%)
- Blue (80%)



- Red (46%)
- Yellow (63%)
- Blue (80%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (54%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1869, 51.8523, 65.6480 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 40.1869, 51.8523, 65.6480 by changing the saturation by 10% instead.

■ 40.1869, 51.8523,
65.6480

■ 40.1869, 51.8523,
65.6480

338.0316,
393.8661, 463.4868

■ 27.8692, 36.8874,
47.5320

■ 74.7306, 92.9134,
114.6032

■ 18.3670, 25.1203,
33.0991

■ 97.6872, 119.7783,
146.2794

■ 11.3151, 16.1667,
21.9306

■ 124.9208,
151.3787, 183.3129

■ 6.3480, 9.6422,
13.6081

156.7968,
188.0989, 226.1220

■ 3.1005, 5.1624,
7.7130

193.6806,
230.3234, 275.1255

■ 1.2071, 2.3428,
3.8267

235.9374,

■ 0.1120, 0.7962,

278.4365, 330.7417

1.5308

283.9326,
332.8226, 393.3893

■ 0.0000, 0.0000,
0.2407

■ 0.0000, 0.0000,
0.0000

■ 40.1869, 51.8523,
65.6480

■ 40.1869, 51.8523,
65.6480

■ 37.7288, 50.5863,
65.5338

■ 43.2513, 53.4333,
65.7928

■ 35.8324, 49.6087,
65.4447


■ 46.9534, 55.3418,
65.9664


■ 34.4548, 48.8986,
65.3800


■ 51.3282, 57.5971,
66.1714


■ 33.5448, 48.4294,
65.3371


■ 56.4067, 60.2151,
66.4094


 33.0405, 48.1694,
65.3132


 62.2179, 63.2109,
66.6817

 32.8514, 48.0720,
65.3041

 68.7894, 66.5986,
66.9895

 74.0922, 69.3323,
67.2380

 74.0922, 69.3323,
67.2383

 74.0923, 69.3323,
67.2386

Harmonies

Analogous

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



39.9936, 51.8523, 50.3339



40.1869, 51.8523, 65.6480



42.7052, 51.8523, 80.7828

Triad

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



40.1869, 51.8523, 65.6480



57.1728, 51.8523, 78.5984



51.5384, 51.8523, 32.4989

Complementary

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



40.1869, 51.8523, 65.6480



34.7508, 26.9877, 20.2091

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.



56.5061, 51.8523, 37.5841



40.1869, 51.8523, 65.6480



59.9122, 51.8523, 63.0604

Square

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



40.1869, 51.8523, 65.6480



52.3962, 51.8523, 89.1311



59.6599, 51.8523, 48.1690



46.2976, 51.8523, 32.9406

Rectangle

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



40.1869, 51.8523, 65.6480



45.4728, 51.8523, 87.9142



59.6599, 51.8523, 48.1690



53.3025, 51.8523, 33.5742

Sweetspot

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



40.1884, 51.8543, 65.6492



83.8881, 94.2459, 108.3770



32.5786, 48.8333, 24.5396



17.5930, 19.9856, 23.1801



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.



40.1884, 51.8543, 65.6492



61.8923, 82.9066, 107.3456



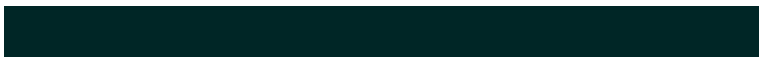
31.3599, 34.1969, 62.7076



11.5433, 12.7271, 14.4185



20.4505, 29.9255, 40.6528



1.0550, 1.5438, 2.0972

Inverse Universe

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



34.7508, 26.9877, 20.2091



51.7866, 36.6927, 22.8965



40.8796, 39.2455, 22.2515



11.2124, 11.2137, 11.6530



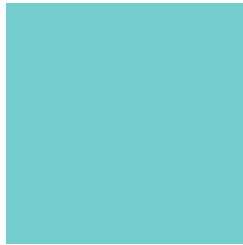
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 40.1869, 51.8523, 65.6480 looks on a white background.

Color Contrast Check

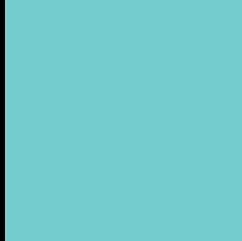
Large Text (above 18pt) WCAG AA × Fail

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 40.1869, 51.8523, 65.6480 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 40.1869, 51.8523, 65.6480

Background



This preview shows how black text looks on a background with the XYZ color 40.1869, 51.8523, 65.6480.



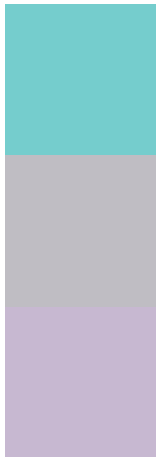
This preview shows how white text looks on a background with the XYZ color 40.1869, 51.8523,

65.6480.

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

40.1869, 51.8523, 65.6480

Protanopia

49.5338, 51.4117, 58.9425

Deuteranopia

52.2023, 51.0265, 67.4194



Tritanopia

42.0273, 51.8913, 74.8188

Trichromacy



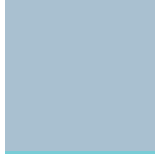
Original Color

40.1869, 51.8523, 65.6480



Protanomaly

45.1338, 51.0462, 61.5069



Deuteranomaly

46.5970, 50.6884, 67.0024



Tritanomaly

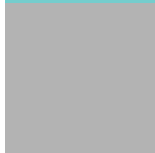
41.4762, 52.0338, 71.4758

Monochromacy



Original Color

40.1869, 51.8523, 65.6480



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.7706, 46.6652, 54.4354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1869, 51.8523, 65.6480 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(117, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 205, 205) }
```

Border

The CSS property to change the border of an element to XYZ 40.1869, 51.8523, 65.6480 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(117, 205, 205) }
```


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

```
.border{ border-color:rgb(117, 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(117, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(117, 205,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1869, 51.8523, 65.6480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 205, 205) }
```

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

```
.background{ background-color: rgb(117,  
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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