

Converting Colors

XYZ(16.8285, 21.8512, 40.8867)

Have a look what the booklet for
XYZ(16.8285, 21.8512, 40.8867)
contains.

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Color

**XYZ(16.7707, 21.7399,
40.8484)**

Conversions

Conversions Part 1

Format	Color
Hex	118CA9
RGB	17, 140, 169
RGB Percent	7%, 55%, 66%
CMY	0.9332, 0.4510, 0.3373
CMYK	0.90, 0.17, 0.00, 0.34
HSL	191°, 82%, 36%
HSV	191°, 90%, 66%
XYZ	16.7707, 21.7399, 40.8484
YIQ	106.5290, -82.6170, -17.0570

Conversions

Conversions Part 2

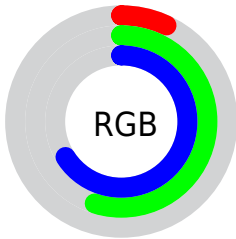
Format	Color
R_{YB}	17, 85, 169
Decimal	1150121
CIE _{Lab}	53.75, -20.21, -23.99
CIE _{LCh}	54, 31.363, 229.890
Yxy	21.7399, 0.2113, 0.2739
Android (android.graphics.Color)	4279340201 (0xFF118CA9)
YUV	106.5290, 30.7982, -78.5169
Hunter-Lab	46.6261, -17.3918, -19.3048

Details

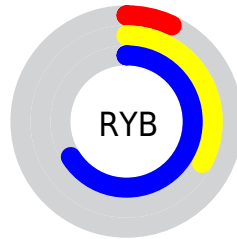
The XYZ color **16.7707, 21.7399, 40.8484** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.4416, 10.4314, 1.6254**, and the grayscale version is **13.7812, 14.4989, 15.7893**.

A 20% lighter version of the original color is **37.4656, 46.3983, 77.5021**, and **6.8671, 8.5967, 18.1270** is the 20% darker color. If you saturate the color by 10%, you get **16.0770, 20.6934, 40.6834**, and if you desaturate by 10%, it is **17.6752, 22.9164, 41.0282**.

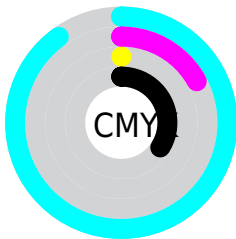
Distribution



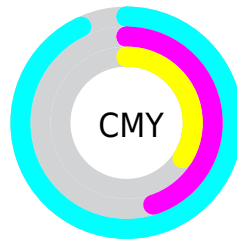
- Red (7%)
- Green (55%)
- Blue (66%)



- Red (7%)
- Yellow (33%)
- Blue (66%)



- Cyan (90%)
- Magenta (17%)
- Yellow (0%)
- Black (34%)



- Cyan (93%)
- Magenta (45%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7707, 21.7399, 40.8484 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 16.7707, 21.7399, 40.8484 by changing the saturation by 10% instead.

■ 16.7707, 21.7399,
40.8484

■ 16.7707, 21.7399,
40.8484

■ 227.0296,
261.1849, 365.3445

■ 10.1654, 13.6659,
27.8818

■ 37.4779, 46.3157,
77.7049

■ 5.5719, 7.8887,
17.9983

■ 52.3104, 63.5864,
102.4319

■ 2.6247, 4.0238,
10.7794

■ 70.6162, 84.6913,
131.9161

■ 0.9586, 1.6869,
5.8064

■ 92.7604, 110.0150,
166.5761

■ 0.0000, 0.4151,
2.6608

■ 119.1085,
139.9418, 206.8304

■ 0.0000, 0.0000,
0.9236

■ 150.0259,

■ 0.0000, 0.0000,

174.8562, 253.0975

0.0000

185.8778,
215.1424, 305.7960

■ 16.7707, 21.7399,
40.8484

■ 16.7707, 21.7399,
40.8484

■ 16.0770, 20.6934,
40.6834

■ 17.6752, 22.9164,
41.0282

■ 16.0722, 20.6859,
40.6822

■ 18.8664, 24.2610,
41.2250

■ 20.3809, 25.7930,
41.4409

■ 22.2487, 27.5283,
41.6774

■ 24.4967, 29.4807,
41.9357

■ 27.1488, 31.6627,
42.2171

■ 30.2272, 34.0861,
42.5226

■ 33.7521, 36.7612,
42.8532

■ 37.7428, 39.6983,
43.2098

Harmonies

Analogous

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



15.1593, 21.7399, 30.5475



16.7707, 21.7399, 40.8484



19.5487, 21.7399, 46.9852

Triad

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



16.7707, 21.7399, 40.8484



27.7055, 21.7399, 27.0730



18.5402, 21.7399, 10.1776

Complementary

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



16.7707, 21.7399, 40.8484



17.4416, 10.4314, 1.6254

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.



21.8191, 21.7399, 9.7191



16.7707, 21.7399, 40.8484



27.3600, 21.7399, 17.9127

Square

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



16.7707, 21.7399, 40.8484



26.0140, 21.7399, 37.7196



25.1155, 21.7399, 12.1441



16.1015, 21.7399, 13.6320

Rectangle

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



16.7707, 21.7399, 40.8484



21.7939, 21.7399, 47.0046



25.1155, 21.7399, 12.1441



19.5722, 21.7399, 9.7123

Sweetspot

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



16.7714, 21.7407, 40.8489



49.8971, 57.7257, 75.7374



14.8912, 28.6842, 7.2229



10.5087, 12.2879, 16.4701



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.7714, 21.7407, 40.8489



28.6379, 36.7547, 72.8101



9.2920, 6.7818, 38.3558



7.6241, 8.2851, 9.6157



12.0153, 15.4908, 30.3322



0.3228, 0.4377, 0.7481

Inverse Universe

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



21.2969, 10.7302, 25.7603



37.2850, 18.2991, 43.4001



23.2859, 22.1199, 3.5735



7.7796, 7.6417, 9.1566



15.5654, 7.6349, 18.3206



0.3941, 0.1919, 0.5266

Previews

White Background



This preview shows how the XYZ color 16.7707, 21.7399, 40.8484 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7707, 21.7399, 40.8484 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 × Fail

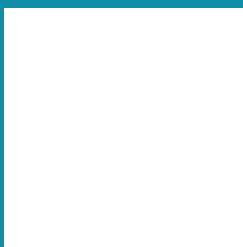
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7707, 21.7399, 40.8484

Background



This preview shows how black text looks on a background with the XYZ color 16.7707, 21.7399, 40.8484.

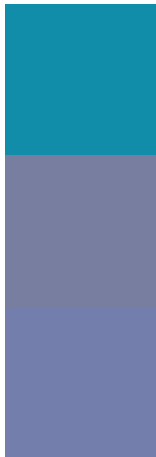


This preview shows how white text looks on a background with the XYZ color 16.7707, 21.7399,

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

16.7707, 21.7399, 40.8484

Protanopia

21.4646, 21.4180, 35.8037

Deuteranopia

21.9775, 21.5451, 42.0300



Tritanopia

15.4228, 21.6459, 33.5022

Trichromacy



Original Color

16.7707, 21.7399, 40.8484

Protanomaly

18.2944, 20.7159, 37.6847

Deuteranomaly

18.6914, 20.8351, 41.5645

Tritanomaly

15.8580, 21.5917, 36.1327

Monochromacy



Original Color

16.7707, 21.7399, 40.8484

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4501, 16.2612, 23.5489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7707, 21.7399, 40.8484 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(17, 140, 169)` looks like.

```
.text, #text, p{  
    color:rgb(17, 140, 169)  
}
```

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(17, 140, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 140, 169) }
```

Border

The CSS property to change the border of an element to XYZ 16.7707, 21.7399, 40.8484 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(17, 140, 169) }
```


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

```
.border{ border-color:rgb(17, 140, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 140, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(17, 140, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(17, 140, 169); box-shadow:4px 4px 4px 4px rgb(17, 140, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7707, 21.7399, 40.8484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 140, 169) }
```

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

```
.background{ background-color: rgb(17, 140,  
169) }
```

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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