

Converting Colors

XYZ(21.3455, 17.1695, 48.7252)

Have a look what the booklet for
XYZ(21.3455, 17.1695, 48.7252)
contains.

XYZ(21.3209, 17.1676, 48.6443)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.3209, 17.1676,
48.6443)**

Conversions

Conversions Part 1

Format	Color
Hex	7767BA
RGB	119, 103, 186
RGB Percent	47%, 40%, 73%
CMY	0.5333, 0.5961, 0.2706
CMYK	0.36, 0.45, 0.00, 0.27
HSL	252°, 38%, 57%
HSV	252°, 45%, 73%
XYZ	21.3209, 17.1676, 48.6443
YIQ	117.2460, -17.1070, 29.2050

Conversions

Conversions Part 2

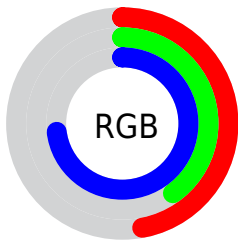
Format	Color
R_{YB}	119, 103, 186
Decimal	7825338
CIE _{Lab}	48.47, 25.91, -41.74
CIE _{LCh}	48, 49.127, 301.835
Yxy	17.1676, 0.2447, 0.1970
Android (android.graphics.Color)	4286015418 (0xFF7767BA)
YUV	117.2460, 33.8957, 1.5383
Hunter-Lab	41.4338, 19.3429, -40.6043

Details

The XYZ color **21.3209, 17.1676, 48.6443** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **36.5848, 44.6434, 19.5213**, and the grayscale version is **16.8873, 17.7667, 19.3480**.

A 20% lighter version of the original color is **45.1888, 38.5809, 89.8592**, and **7.8258, 5.6525, 22.5084** is the 20% darker color. If you saturate the color by 10%, you get **17.7722, 12.8908, 48.0062**, and if you desaturate by 10%, it is **25.6080, 22.4365, 49.4357**.

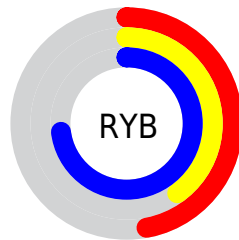
Distribution



Red (47%)

Green (40%)

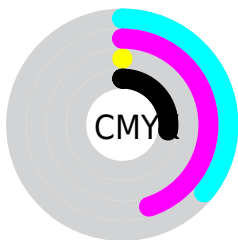
Blue (73%)



Red (47%)

Yellow (40%)

Blue (73%)

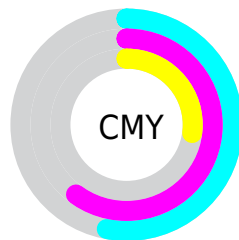


Cyan (36%)

Magenta (45%)

Yellow (0%)

Black (27%)



Cyan (53%)

Magenta (60%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3209, 17.1676, 48.6443 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 21.3209, 17.1676, 48.6443 by changing the saturation by 10% instead.

■ 21.3209, 17.1676,
48.6443

■ 21.3209, 17.1676,
48.6443

251.6786,
236.1364, 397.9225

■ 13.4726, 10.3541,
33.9738

■ 45.1083, 38.6137,
89.5384

■ 7.8340, 5.6343,
22.5963

■ 61.7780, 54.0151,
116.5992

■ 4.0398, 2.6240,
14.0932

■ 82.1189, 73.0478,
148.6270

■ 1.7247, 0.9388,
8.0460

■ 106.4963, 96.0964,
186.0406

■ 0.4716, 0.0000,
4.0362

135.2757,
123.5451, 229.2583

■ 0.0000, 0.0000,
1.6452

168.8223,

■ 0.0000, 0.0000,

155.7784, 278.6989

0.3228

207.5014,
193.1807, 334.7808

■ 0.0000, 0.0000,
0.0000

■ 21.3209, 17.1676,
48.6443

■ 21.3209, 17.1676,
48.6443

■ 17.7722, 12.8908,
48.0062

■ 25.6080, 22.4365,
49.4357

■ 14.9170, 9.5411,
47.5101

■ 30.6708, 28.7530,
50.3880

■ 12.7085, 7.0487,
47.1454

■ 36.5464, 36.1709,
51.5102

■ 11.0931, 5.3327,
46.8993

■ 43.2690, 44.7395,
52.8097

■ 10.0073, 4.2963,
46.7565

■ 50.8706, 54.5052,
54.2941

■ 9.5856, 3.9177,
46.7057

■ 59.3818, 65.5120,
55.9700

■ 68.8315, 77.8014,
57.8440

■ 79.2475, 91.4131,
59.9224

■ 85.5441, 96.1608,
60.5069

Harmonies

Analogous

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



16.5959, 17.1676, 56.0179



21.3209, 17.1676, 48.6443



25.1973, 17.1676, 33.0013

Triad

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



21.3209, 17.1676, 48.6443



20.7524, 17.1676, 4.2506



9.1061, 17.1676, 19.4974

Complementary

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



21.3209, 17.1676, 48.6443



36.5848, 44.6434, 19.5213

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.



9.8153, 17.1676, 9.2648



21.3209, 17.1676, 48.6443



16.0418, 17.1676, 3.2523

Square

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



21.3209, 17.1676, 48.6443



24.8290, 17.1676, 8.4304



12.1650, 17.1676, 4.5531



10.0141, 17.1676, 35.0501

Rectangle

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



21.3209, 17.1676, 48.6443



26.4700, 17.1676, 22.4382



12.1650, 17.1676, 4.5531



9.1626, 17.1676, 15.3889

Sweetspot

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



21.3216, 17.1682, 48.6447



67.8630, 67.6194, 93.6765



28.9789, 35.4732, 51.7743



14.3841, 14.1795, 20.5214



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.3216, 17.1682, 48.6447



32.0565, 23.1790, 86.9858



28.1543, 20.6906, 48.9645



8.6784, 8.8006, 11.3207



6.4978, 2.6609, 31.4242



0.2779, 0.1190, 1.1101

Inverse Universe

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



32.3560, 23.0423, 40.7724



54.9643, 35.3969, 69.6022



29.1039, 40.7868, 19.1712



9.3047, 9.1322, 10.9519



17.3611, 8.5182, 20.3201



0.6314, 0.3080, 0.8181

Previews

White Background



This preview shows how the XYZ color 21.3209, 17.1676, 48.6443 looks on a white 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

Black Background



This preview shows how the XYZ color 21.3209, 17.1676, 48.6443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

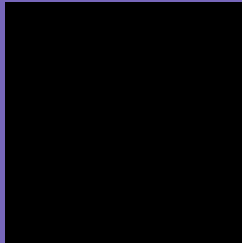
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3209, 17.1676, 48.6443

Background



This preview shows how black text looks on a background with the XYZ color 21.3209, 17.1676, 48.6443.

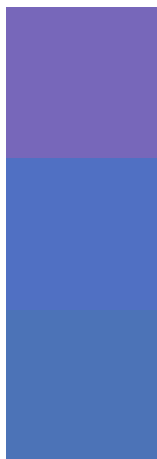


This preview shows how white text looks on a background with the XYZ color 21.3209, 17.1676,

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

21.3209, 17.1676, 48.6443

Protanopia

18.9528, 17.2339, 53.9573

Deuteranopia

17.6585, 17.2169, 47.1922



Tritanopia

16.0710, 17.2931, 22.2295

Trichromacy



Original Color

21.3209, 17.1676, 48.6443

Protanomaly

19.5992, 17.1227, 52.1412

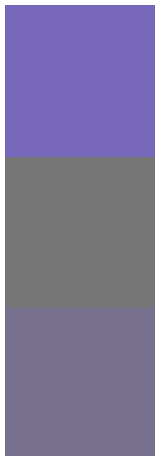
Deuteranomaly

18.7498, 17.1049, 47.6608

Tritanomaly

17.6950, 17.1060, 30.3861

Monochromacy



Original Color

21.3209, 17.1676, 48.6443

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.1479, 17.3929, 27.9919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3209, 17.1676, 48.6443 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(119, 103, 186)` looks like.

```
.text, #text, p{  
    color:rgb(119, 103, 186)  
}
```

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(119, 103, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 103, 186) }
```

Border

The CSS property to change the border of an element to XYZ 21.3209, 17.1676, 48.6443 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(119, 103, 186) }
```


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

```
.border{ border-color:rgb(119, 103, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 103, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 103, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 103, 186); box-shadow:4px 4px 4px 4px rgb(119, 103, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3209, 17.1676, 48.6443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 103, 186) }
```

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

```
.background{ background-color: rgb(119,  
103, 186) }
```

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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