

Converting Colors

XYZ(20.7872, 21.2747, 48.6716)

Have a look what the booklet for
XYZ(20.7872, 21.2747, 48.6716)
contains.

XYZ(20.9216, 21.4274, 48.9322)	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(20.9216, 21.4274,
48.9322)**

Conversions

Conversions Part 1

Format	Color
Hex	5B81B9
RGB	91, 129, 185
RGB Percent	36%, 51%, 73%
CMY	0.6431, 0.4941, 0.2745
CMYK	0.51, 0.30, 0.00, 0.27
HSL	216°, 40%, 54%
HSV	216°, 51%, 73%
XYZ	20.9216, 21.4274, 48.9322
YIQ	124.0220, -40.6240, 9.3600

Conversions

Conversions Part 2

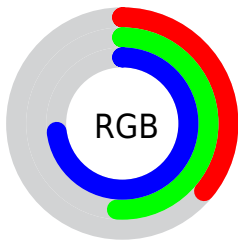
Format	Color
R _Y B	91, 118, 185
Decimal	5996985
CIE Lab	53.41, 2.70, -33.51
CIE LCh	53, 33.623, 274.599
Yxy	21.4274, 0.2292, 0.2347
Android (android.graphics.Color)	4284187065 (0xFF5B81B9)
YUV	124.0220, 30.0622, -28.9603
Hunter-Lab	46.2897, -0.3303, -30.2718

Details

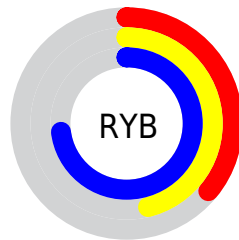
The XYZ color **20.9216, 21.4274, 48.9322** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **32.3306, 31.9384, 14.3593**, and the grayscale version is **19.0789, 20.0725, 21.8589**.

A 20% lighter version of the original color is **44.4592, 45.9178, 89.7389**, and **7.6607, 7.7266, 22.9174** is the 20% darker color. If you saturate the color by 10%, you get **17.9434, 17.8522, 48.3995**, and if you desaturate by 10%, it is **24.5075, 25.5491, 49.5392**.

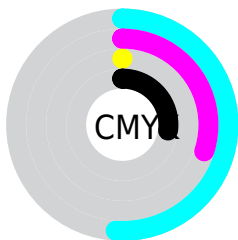
Distribution



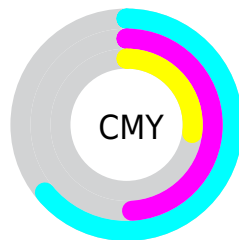
- Red (36%)
- Green (51%)
- Blue (73%)



- Red (36%)
- Yellow (46%)
- Blue (73%)



- Cyan (51%)
- Magenta (30%)
- Yellow (0%)
- Black (27%)



- Cyan (64%)
- Magenta (49%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9216, 21.4274, 48.9322 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 20.9216, 21.4274, 48.9322 by changing the saturation by 10% instead.

■ 20.9216, 21.4274,
48.9322

■ 20.9216, 21.4274,
48.9322

249.6012,
259.5412, 399.0901

■ 13.1788, 13.4368,
34.2005

■ 44.4493, 45.7978,
89.9707

■ 7.6297, 7.7300,
22.7690

■ 60.9649, 62.9463,
117.1145

■ 3.9087, 3.9227,
14.2194

■ 81.1355, 83.9163,
149.2329

■ 1.6506, 1.6304,
8.1329

■ 105.3265,
109.0920, 186.7442

■ 0.4251, 0.3780,
4.0911

133.9032,
138.8580, 230.0670

■ 0.0000, 0.0000,
1.6755

167.2310,

■ 0.0000, 0.0000,

173.5986, 279.6199

0.3438

205.6752,
213.6982, 335.8214

■ 0.0000, 0.0000,
0.0000

■ 20.9216, 21.4274,
48.9322

■ 20.9216, 21.4274,
48.9322

■ 17.9434, 17.8522,
48.3995

■ 24.5075, 25.5491,
49.5392

■ 15.5320, 14.7940,
47.9363

■ 28.7337, 30.2401,
50.2219

■ 13.6445, 12.2233,
47.5396

■ 33.6331, 35.5243,
50.9836

■ 12.2301, 10.1057,
47.2054

■ 39.2356, 41.4236,
51.8270

■ 11.2586, 8.5059,
46.9478

■ 45.5691, 47.9587,
52.7546

■ 52.6601, 55.1491,
53.7688

■ 60.5335, 63.0136,
54.8718

■ 69.2133, 71.5701,
56.0659

■ 77.7944, 80.3575,
57.3097

Harmonies

Analogous

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



17.5606, 21.4274, 45.9826



20.9216, 21.4274, 48.9322



24.5189, 21.4274, 43.5484

Triad

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



20.9216, 21.4274, 48.9322



26.5567, 21.4274, 13.8517



14.7722, 21.4274, 15.8717

Complementary

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



20.9216, 21.4274, 48.9322



32.3306, 31.9384, 14.3593

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.



16.7109, 21.4274, 10.5993



20.9216, 21.4274, 48.9322



23.4555, 21.4274, 9.6946

Square

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



20.9216, 21.4274, 48.9322



28.0052, 21.4274, 21.7894



19.8205, 21.4274, 8.7069



14.2602, 21.4274, 24.9432

Rectangle

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



20.9216, 21.4274, 48.9322



26.4910, 21.4274, 36.6763



19.8205, 21.4274, 8.7069



15.2665, 21.4274, 13.6930

Sweetspot

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



20.9224, 21.4282, 48.9327



65.6596, 69.3627, 92.1323



26.8395, 38.9929, 33.2390



13.7055, 14.4794, 19.7941



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.9224, 21.4282, 48.9327



31.5711, 31.2744, 86.5772



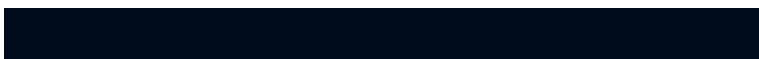
17.6264, 13.6293, 47.6011



8.8111, 9.2995, 11.4100



7.7336, 5.9268, 31.9895



0.3338, 0.3313, 1.1481

Inverse Universe

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



27.7118, 19.3824, 23.0501



45.5062, 28.6729, 33.0957



37.4074, 44.8205, 16.5782



9.1510, 9.0708, 10.1427



14.5172, 7.3806, 5.3445



0.5426, 0.2725, 0.3510

Previews

White Background



This preview shows how the XYZ color 20.9216, 21.4274, 48.9322 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 20.9216, 21.4274, 48.9322 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 20.9216, 21.4274, 48.9322

Background



This preview shows how black text looks on a background with the XYZ color 20.9216, 21.4274, 48.9322.

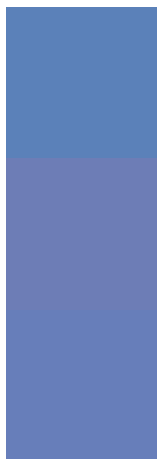


This preview shows how white text looks on a background with the XYZ color 20.9216, 21.4274,

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

20.9216, 21.4274, 48.9322

Protanopia

22.0838, 21.2958, 47.2025

Deuteranopia

21.9173, 21.3504, 49.4203



Tritanopia

17.2951, 21.3772, 30.8184

Trichromacy



Original Color

20.9216, 21.4274, 48.9322

Protanomaly

21.4876, 21.1654, 47.7526

Deuteranomaly

21.5979, 21.3766, 49.4421

Tritanomaly

18.3878, 21.1873, 36.8386

Monochromacy



Original Color

20.9216, 21.4274, 48.9322

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3313, 20.4418, 30.1209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9216, 21.4274, 48.9322 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(91, 129, 185)` looks like.

```
.text, #text, p{  
    color:rgb(91, 129, 185)  
}
```

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(91, 129, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 129, 185) }
```

Border

The CSS property to change the border of an element to XYZ 20.9216, 21.4274, 48.9322 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(91, 129, 185) }
```


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

```
.border{ border-color:rgb(91, 129, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 129, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 129, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 129, 185);  
box-shadow:4px 4px 4px 4px rgb(91, 129,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9216, 21.4274, 48.9322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 129, 185) }
```

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

```
.background{ background-color: rgb(91, 129,  
185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor