

Converting Colors

XYZ(19.9243, 21.3399, 34.4244)

Have a look what the booklet for
XYZ(19.9243, 21.3399, 34.4244)
contains.

XYZ(20.0468, 21.4914, 34.5442)	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(20.0468, 21.4914,
34.5442)**

Conversions

Conversions Part 1

Format	Color
Hex	6B829C
RGB	107, 130, 156
RGB Percent	42%, 51%, 61%
CMY	0.5804, 0.4902, 0.3882
CMYK	0.31, 0.17, 0.00, 0.39
HSL	212°, 20%, 52%
HSV	212°, 31%, 61%
XYZ	20.0468, 21.4914, 34.5442
YIQ	126.0870, -22.0540, 3.2100

Conversions

Conversions Part 2

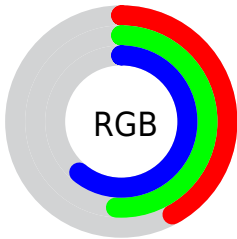
Format	Color
R_{YB}	107, 123, 156
Decimal	7045788
CIE _{Lab}	53.48, -1.87, -16.61
CIE _{LCh}	53, 16.713, 263.578
Yxy	21.4914, 0.2635, 0.2825
Android (android.graphics.Color)	4285235868 (0xFF6B829C)
YUV	126.0870, 14.7471, -16.7393
Hunter-Lab	46.3588, -3.9397, -11.7287

Details

The XYZ color **20.0468, 21.4914, 34.5442** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.7520, 24.9047, 17.4130**, and the grayscale version is **19.8181, 20.8502, 22.7059**.

A 20% lighter version of the original color is **43.1886, 46.0437, 68.2391**, and **7.2372, 7.8043, 14.4895** is the 20% darker color. If you saturate the color by 10%, you get **17.2808, 18.4967, 34.1123**, and if you desaturate by 10%, it is **23.2411, 24.8394, 35.0224**.

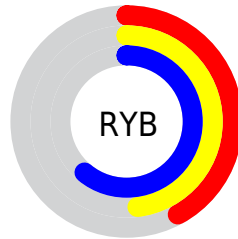
Distribution



Red (42%)

Green (51%)

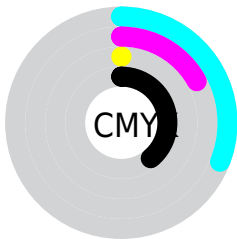
Blue (61%)



Red (42%)

Yellow (48%)

Blue (61%)

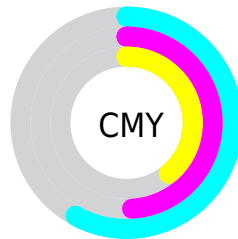


Cyan (31%)

Magenta (17%)

Yellow (0%)

Black (39%)



Cyan (58%)

Magenta (49%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0468, 21.4914, 34.5442 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 20.0468, 21.4914, 34.5442 by changing the saturation by 10% instead.

■ 20.0468, 21.4914,
34.5442

■ 20.0468, 21.4914,
34.5442

244.9971,
259.8786, 337.3948

■ 12.5375, 13.4837,
23.0312

■ 42.9990, 45.9039,
67.9226

■ 7.1857, 7.7624,
14.4111

■ 59.1726, 63.0775,
90.6251

■ 3.6258, 3.9433,
8.2651

■ 78.9650, 84.0752,
117.8946

■ 1.4927, 1.6419,
4.1749

■ 102.7417,
109.2814, 150.1495

■ 0.3209, 0.3856,
1.7218

130.8678,
139.0804, 187.8084

■ 0.0000, 0.0000,
0.3756

163.7089,

■ 0.0000, 0.0000,

173.8567, 231.2899

0.0000

201.6302,
213.9946, 281.0125

■ 20.0468, 21.4914,
34.5442

■ 20.0468, 21.4914,
34.5442

■ 17.2808, 18.4967,
34.1123

■ 23.2411, 24.8394,
35.0224

■ 14.9209, 15.8393,
33.7238

■ 26.8806, 28.5509,
35.5470

■ 12.9455, 13.5053,
33.3774

■ 30.9835, 32.6386,
36.1198

■ 11.3305, 11.4790,
33.0714

■ 35.5665, 37.1140,
36.7420

■ 10.0481, 9.7427,
32.8038

■ 40.6455, 41.9879,
37.4151

■ 9.0664, 8.2761,
32.5725

■ 46.2355, 47.2707,
38.1402

■ 8.3984, 7.1955,
32.3991

■ 52.3508, 52.9724,
38.9184

■ 59.0053, 59.1026,
39.7509

■ 66.2122, 65.6706,
40.6388

Harmonies

Analogous

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



18.4631, 21.4914, 32.1988



20.0468, 21.4914, 34.5442



21.8255, 21.4914, 33.5731

Triad

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



20.0468, 21.4914, 34.5442



23.7241, 21.4914, 19.6976



17.7970, 21.4914, 18.0540

Complementary

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



20.0468, 21.4914, 34.5442



24.7520, 24.9047, 17.4130

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.



19.0894, 21.4914, 15.5232



20.0468, 21.4914, 34.5442



22.5253, 21.4914, 16.3715

Square

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



20.0468, 21.4914, 34.5442



24.0170, 21.4914, 24.5132



20.8118, 21.4914, 14.9551



17.2137, 21.4914, 22.3220

Rectangle

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



20.0468, 21.4914, 34.5442



22.8761, 21.4914, 31.2366



20.8118, 21.4914, 14.9551



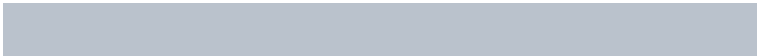
18.1592, 21.4914, 16.9985

Sweetspot

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



20.0475, 21.4922, 34.5447



50.4108, 53.4524, 64.7872



22.1389, 28.5778, 26.2933



10.8781, 11.5466, 14.2257



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.0475, 21.4922, 34.5447



32.6481, 34.9796, 62.1577



17.4211, 16.0930, 33.6410



6.5286, 6.9229, 8.3988



6.9518, 5.9952, 26.6980



0.1663, 0.1913, 0.4914

Inverse Universe

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



22.9978, 19.1956, 23.6131



39.0233, 30.5218, 38.4233



28.0955, 31.8256, 18.5727



6.7561, 6.6954, 7.5670



12.3072, 6.2274, 5.8686



0.2413, 0.1198, 0.2167

Previews

White Background



This preview shows how the XYZ color 20.0468, 21.4914, 34.5442 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 20.0468, 21.4914, 34.5442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

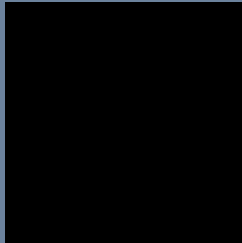
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

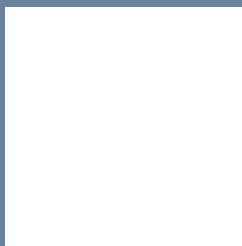
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0468, 21.4914, 34.5442

Background



This preview shows how black text looks on a background with the XYZ color 20.0468, 21.4914, 34.5442.



This preview shows how white text looks on a background with the XYZ color 20.0468, 21.4914,

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

20.0468, 21.4914, 34.5442

Protanopia

21.2367, 21.3592, 33.1404

Deuteranopia

21.8769, 21.4615, 34.8877



Tritanopia

18.9181, 21.4288, 29.1257

Trichromacy



Original Color

20.0468, 21.4914, 34.5442

Protanomaly

20.7582, 21.2937, 33.5879

Deuteranomaly

21.1464, 21.4646, 34.9268

Tritanomaly

19.2873, 21.3740, 31.1260

Monochromacy



Original Color

20.0468, 21.4914, 34.5442

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7125, 20.9068, 26.6634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0468, 21.4914, 34.5442 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(107, 130, 156)` looks like.

```
.text, #text, p{  
    color:rgb(107, 130, 156)  
}
```

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(107, 130, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 130, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.0468, 21.4914, 34.5442 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(107, 130, 156) }
```


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

```
.border{ border-color:rgb(107, 130, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 130, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 130, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 130, 156);  
box-shadow:4px 4px 4px 4px rgb(107, 130,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0468, 21.4914, 34.5442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 130, 156) }
```

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

```
.background{ background-color: rgb(107,  
130, 156) }
```

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