

Converting Colors

XYZ(20.2249, 19.3502, 34.1215)

Have a look what the booklet for
XYZ(20.2249, 19.3502, 34.1215)
contains.

XYZ(20.2249, 19.3502, 34.1215)	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(20.2249, 19.3502,
34.1215)**

Conversions

Conversions Part 1

Format	Color
Hex	78769C
RGB	120, 118, 156
RGB Percent	47%, 46%, 61%
CMY	0.5294, 0.5372, 0.3882
CMYK	0.23, 0.24, 0.00, 0.39
HSL	243°, 16%, 54%
HSV	243°, 24%, 61%
XYZ	20.2249, 19.3502, 34.1215
YIQ	122.9300, -11.0060, 12.2420

Conversions

Conversions Part 2

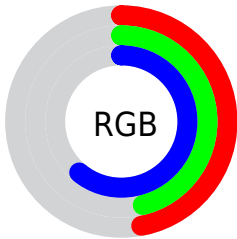
Format	Color
R_{YB}	120, 118, 156
Decimal	7894684
CIE _{Lab}	51.09, 9.31, -20.17
CIE _{LCh}	51, 22.211, 294.769
Yxy	19.3502, 0.2744, 0.2626
Android (android.graphics.Color)	4286084764 (0xFF78769C)
YUV	122.9300, 16.3035, -2.5696
Hunter-Lab	43.9889, 5.0890, -15.1982

Details

The XYZ color **20.2249, 19.3502, 34.1215** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.4854, 31.9554, 21.8070**, and the grayscale version is **18.7547, 19.7314, 21.4875**.

A 20% lighter version of the original color is **43.3662, 42.3368, 67.5142**, and **7.3385, 6.7398, 14.2787** is the 20% darker color. If you saturate the color by 10%, you get **16.6437, 14.9991, 33.4707**, and if you desaturate by 10%, it is **24.4276, 24.4736, 34.8892**.

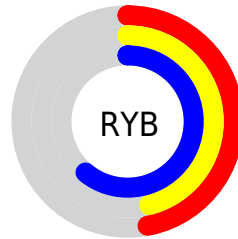
Distribution



Red (47%)

Green (46%)

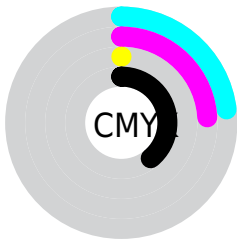
Blue (61%)



Red (47%)

Yellow (46%)

Blue (61%)

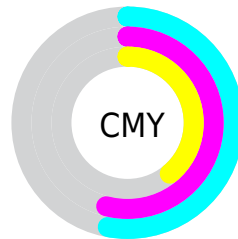


Cyan (23%)

Magenta (24%)

Yellow (0%)

Black (39%)



Cyan (53%)

Magenta (54%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2249, 19.3502, 34.1215 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 20.2249, 19.3502, 34.1215 by changing the saturation by 10% instead.

■ 20.2249, 19.3502,
34.1215

■ 20.2249, 19.3502,
34.1215

245.9405,
248.3753, 335.4592

■ 12.6678, 11.9236,
22.7088

■ 43.2950, 42.3250,
67.2586

■ 7.2756, 6.6917,
14.1754

■ 59.5387, 58.6420,
89.8202

■ 3.6829, 3.2700,
8.1026

■ 79.4088, 78.6913,
116.9351

■ 1.5244, 1.2743,
4.0720

103.2704,
102.8572, 149.0219

■ 0.3423, 0.1212,
1.6649

131.4891,
131.5242, 186.4992

■ 0.0000, 0.0000,
0.3365

164.4301,

■ 0.0000, 0.0000,

165.0766, 229.7855

0.0000

202.4587,
203.8988, 279.2993

■ 20.2249, 19.3502,
34.1215

■ 20.2249, 19.3502,
34.1215

■ 16.6437, 14.9991,
33.4707

■ 24.4276, 24.4736,
34.8892

■ 13.6527, 11.3807,
32.9299

■ 29.2773, 30.4018,
35.7779

■ 11.2208, 8.4554,
32.4935

■ 34.8004, 37.1682,
36.7928

■ 9.3132, 6.1787,
32.1546

■ 41.0214, 44.8036,
37.9387

■ 7.8912, 4.5014,
31.9058

■ 47.9634, 53.3373,
39.2200

■ 6.9108, 3.3667,
31.7384

■ 55.6484, 62.7973,
40.6409

■ 6.3195, 2.7064,
31.6421

■ 64.0977, 73.2102,
42.2055

■ 6.1036, 2.4533,
31.6047

■ 73.3316, 84.6017,
43.9176

■ 82.2743, 94.8058,
45.4159

Harmonies

Analogous

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



18.0081, 19.3502, 35.6127



20.2249, 19.3502, 34.1215



22.0749, 19.3502, 28.8741

Triad

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



20.2249, 19.3502, 34.1215



20.9462, 19.3502, 12.6294



14.4864, 19.3502, 19.9819

Complementary

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



20.2249, 19.3502, 34.1215



28.4854, 31.9554, 21.8070

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.



15.1430, 19.3502, 14.8149



20.2249, 19.3502, 34.1215



18.7808, 19.3502, 11.1471

Square

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



20.2249, 19.3502, 34.1215



22.5141, 19.3502, 16.3826



16.6729, 19.3502, 11.8590



14.8061, 19.3502, 26.5736

Rectangle

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



20.2249, 19.3502, 34.1215



22.7910, 19.3502, 24.4209



16.6729, 19.3502, 11.8590



14.5986, 19.3502, 18.0389

Sweetspot

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



20.2255, 19.3510, 34.1219



50.6051, 52.0733, 64.5107



25.0446, 29.3966, 35.8069



11.0305, 11.3302, 14.1760



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.



20.2255, 19.3510, 34.1219



33.2043, 30.8531, 61.3319



23.1106, 20.8383, 34.2570



6.3154, 6.4511, 8.3190



5.0368, 2.0256, 26.0327



0.0985, 0.0405, 0.4659

Inverse Universe

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



26.0220, 22.3586, 33.5166



45.5321, 37.2510, 59.9791



25.1668, 30.2446, 21.6517



6.8891, 6.7486, 8.2670



15.6865, 7.5791, 23.6636



0.2846, 0.1372, 0.4448

Previews

White Background



This preview shows how the XYZ color 20.2249, 19.3502, 34.1215 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 20.2249, 19.3502, 34.1215 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 20.2249, 19.3502, 34.1215

Background



This preview shows how black text looks on a background with the XYZ color 20.2249, 19.3502, 34.1215.



This preview shows how white text looks on a background with the XYZ color 20.2249, 19.3502,

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

20.2249, 19.3502, 34.1215

Protanopia

19.5701, 19.3463, 35.0505

Deuteranopia

19.8000, 19.3070, 34.1355



Tritanopia

18.1946, 19.2298, 24.5826

Trichromacy



Original Color

20.2249, 19.3502, 34.1215

Protanomaly

19.7529, 19.2728, 34.5772

Deuteranomaly

19.9337, 19.3759, 34.1418

Tritanomaly

18.9812, 19.3797, 27.9395

Monochromacy



Original Color

20.2249, 19.3502, 34.1215

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2366, 19.5616, 25.6836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2249, 19.3502, 34.1215 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(120, 118, 156)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 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(120, 118, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.2249, 19.3502, 34.1215 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(120, 118, 156) }
```


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

```
.border{ border-color:rgb(120, 118, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 118, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 118, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 118, 156); box-shadow:4px 4px 4px 4px rgb(120, 118, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2249, 19.3502, 34.1215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 156) }
```

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

```
.background{ background-color: rgb(120,  
118, 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