

Converting Colors

XYZ(20.1908, 21.8243, 34.1591)

Have a look what the booklet for
XYZ(20.1908, 21.8243, 34.1591)
contains.

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Color

**XYZ(20.2170, 21.7873,
34.1502)**

Conversions

Conversions Part 1

Format	Color
Hex	6C839B
RGB	108, 131, 155
RGB Percent	42%, 51%, 61%
CMY	0.5765, 0.4863, 0.3922
CMYK	0.30, 0.15, 0.00, 0.39
HSL	211°, 19%, 52%
HSV	211°, 30%, 61%
XYZ	20.2170, 21.7873, 34.1502
YIQ	126.8590, -21.4120, 2.5880

Conversions

Conversions Part 2

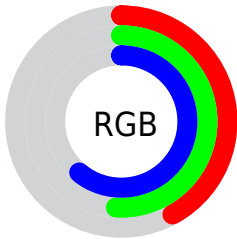
Format	Color
R_{YB}	108, 123, 155
Decimal	7111579
CIE _{Lab}	53.80, -2.40, -15.54
CIE _{LCh}	54, 15.724, 261.229
Yxy	21.7873, 0.2655, 0.2861
Android (android.graphics.Color)	4285301659 (0xFF6C839B)
YUV	126.8590, 13.8735, -16.5393
Hunter-Lab	46.6769, -4.3714, -10.7045

Details

The XYZ color **20.2170, 21.7873, 34.1502** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.4759, 24.5539, 17.6372**, and the grayscale version is **20.0841, 21.1301, 23.0107**.

A 20% lighter version of the original color is **43.1463, 46.3580, 66.9955**, and **7.3196, 7.9639, 14.2481** is the 20% darker color. If you saturate the color by 10%, you get **17.4743, 18.8556, 33.7293**, and if you desaturate by 10%, it is **23.3775, 25.0559, 34.6149**.

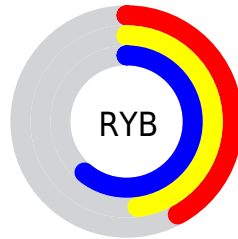
Distribution



Red (42%)

Green (51%)

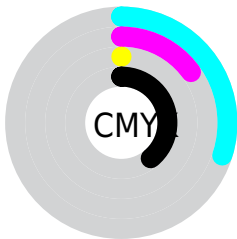
Blue (61%)



Red (42%)

Yellow (48%)

Blue (61%)

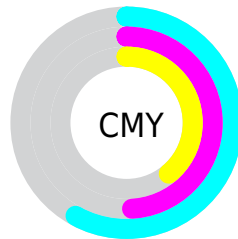


Cyan (30%)

Magenta (15%)

Yellow (0%)

Black (39%)



Cyan (58%)

Magenta (49%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2170, 21.7873, 34.1502 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 20.2170, 21.7873, 34.1502 by changing the saturation by 10% instead.

■ 20.2170, 21.7873,
34.1502

■ 20.2170, 21.7873,
34.1502

245.8987,
261.4335, 335.5908

■ 12.6621, 13.7007,
22.7307

■ 43.2819, 46.3942,
67.3037

■ 7.2716, 7.9128,
14.1914

■ 59.5225, 63.6833,
89.8749

■ 3.6804, 4.0392,
8.1136

■ 79.3891, 84.8086,
117.0003

■ 1.5230, 1.6955,
4.0789

■ 103.2470,
110.1547, 149.0986

■ 0.3414, 0.4207,
1.6687

131.4615,
140.1058, 186.5882

■ 0.0000, 0.0000,
0.3392

164.3981,

■ 0.0000, 0.0000,

175.0464, 229.8878

0.0000

202.4220,
215.3608, 279.4158

■ 20.2170, 21.7873,
34.1502

■ 20.2170, 21.7873,
34.1502

■ 17.4743, 18.8556,
33.7293

■ 23.3775, 25.0559,
34.6149

■ 15.1277, 16.2456,
33.3491

■ 26.9718, 28.6708,
35.1232

■ 13.1567, 13.9442,
33.0088

■ 31.0178, 32.6443,
35.6769

■ 11.5378, 11.9366,
32.7066

■ 35.5315, 36.9869,
36.2772

■ 10.2446, 10.2062,
32.4408

■ 40.5282, 41.7090,
36.9253

■ 9.2464, 8.7339,
32.2092

■ 46.0225, 46.8204,
37.6223

■ 8.4910, 7.5157,
32.0139

■ 52.0282, 52.3305,
38.3694

■ 58.5588, 58.2484,
39.1674

■ 65.6270, 64.5828,
40.0176

Harmonies

Analogous

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



18.7408, 21.7873, 31.7358



20.2170, 21.7873, 34.1502



21.9062, 21.7873, 33.4887

Triad

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



20.2170, 21.7873, 34.1502



23.8845, 21.7873, 20.5125



18.2786, 21.7873, 18.3632

Complementary

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



20.2170, 21.7873, 34.1502



24.4759, 24.5539, 17.6372

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.



19.5547, 21.7873, 16.0679



20.2170, 21.7873, 34.1502



22.8086, 21.7873, 17.1865

Square

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



20.2170, 21.7873, 34.1502



24.0856, 21.7873, 25.1691



21.2072, 21.7873, 15.6685



17.6622, 21.7873, 22.3328

Rectangle

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



20.2170, 21.7873, 34.1502



22.9226, 21.7873, 31.4257



21.2072, 21.7873, 15.6685



18.6412, 21.7873, 17.3940

Sweetspot

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



20.2177, 21.7882, 34.1507



49.0921, 52.1286, 63.0107



22.0369, 28.2836, 25.9491



10.8986, 11.5876, 14.2326



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.



20.2177, 21.7882, 34.1507



32.9887, 35.6011, 60.6693



17.4638, 16.2803, 33.2327



6.1215, 6.5004, 7.8610



6.8579, 6.1126, 25.7261



0.1388, 0.1639, 0.3967

Inverse Universe

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



22.9774, 19.3329, 23.9943



38.7881, 30.8570, 39.2326



27.9461, 31.4944, 18.7939



6.3285, 6.2705, 7.1097



11.9203, 6.0224, 6.1055



0.1965, 0.0974, 0.1876

Previews

White Background



This preview shows how the XYZ color 20.2170, 21.7873, 34.1502 looks on a white background.

Color Contrast Check

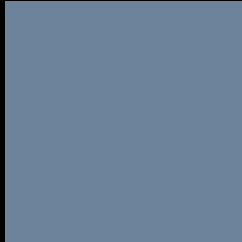
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2170, 21.7873, 34.1502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

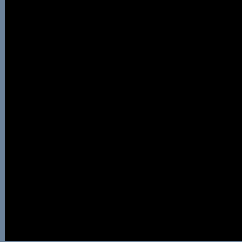
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

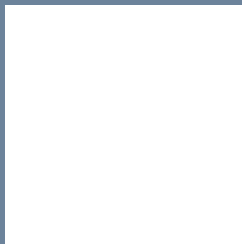
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2170, 21.7873, 34.1502

Background



This preview shows how black text looks on a background with the XYZ color 20.2170, 21.7873, 34.1502.



This preview shows how white text looks on a background with the XYZ color 20.2170, 21.7873,

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

20.2170, 21.7873, 34.1502

Protanopia

21.4252, 21.6567, 32.7567

Deuteranopia

22.2140, 21.8340, 34.4961



Tritanopia

19.2473, 21.7919, 29.5774

Trichromacy



Original Color

20.2170, 21.7873, 34.1502

Protanomaly

20.9402, 21.5898, 33.2006

Deuteranomaly

21.4657, 21.8317, 34.5351

Tritanomaly

19.5404, 21.7048, 31.1765

Monochromacy



Original Color

20.2170, 21.7873, 34.1502

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9803, 21.2376, 26.7131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2170, 21.7873, 34.1502 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(108, 131, 155)` looks like.

```
.text, #text, p{  
    color:rgb(108, 131, 155)  
}
```

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(108, 131, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 131, 155) }
```

Border

The CSS property to change the border of an element to XYZ 20.2170, 21.7873, 34.1502 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(108, 131, 155) }
```


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

```
.border{ border-color:rgb(108, 131, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 131, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 131, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 131, 155);  
box-shadow:4px 4px 4px 4px rgb(108, 131,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2170, 21.7873, 34.1502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 131, 155) }
```

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

```
.background{ background-color: rgb(108,  
131, 155) }
```

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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