

Converting Colors

XYZ(19.0147, 20.7623, 34.0282)

Have a look what the booklet for
XYZ(19.0147, 20.7623, 34.0282)
contains.

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Color

**XYZ(19.0222, 20.7764,
34.0180)**

Conversions

Conversions Part 1

Format	Color
Hex	64819B
RGB	100, 129, 155
RGB Percent	39%, 51%, 61%
CMY	0.6078, 0.4941, 0.3922
CMYK	0.35, 0.17, 0.00, 0.39
HSL	208°, 22%, 50%
HSV	208°, 35%, 61%
XYZ	19.0222, 20.7764, 34.0180
YIQ	123.2930, -25.6300, 1.9380

Conversions

Conversions Part 2

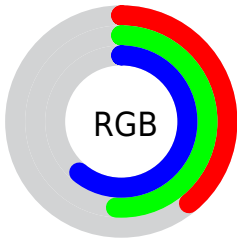
Format	Color
R_{YB}	100, 119, 155
Decimal	6586779
CIE _{Lab}	52.70, -3.67, -17.26
CIE _{LCh}	53, 17.641, 257.992
Y _{xy}	20.7764, 0.2577, 0.2815
Android (android.graphics.Color)	4284776859 (0xFF64819B)
YUV	123.2930, 15.6316, -20.4280
Hunter-Lab	45.5811, -5.2743, -12.3424

Details

The XYZ color **19.0222, 20.7764, 34.0180** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.2791, 22.8108, 15.2332**, and the grayscale version is **18.8801, 19.8633, 21.6311**.

A 20% lighter version of the original color is **41.1855, 44.7347, 66.7856**, and **6.6827, 7.4149, 14.1757** is the 20% darker color. If you saturate the color by 10%, you get **16.5375, 18.1141, 33.6355**, and if you desaturate by 10%, it is **21.9036, 23.7469, 34.4399**.

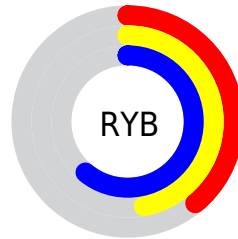
Distribution



Red (39%)

Green (51%)

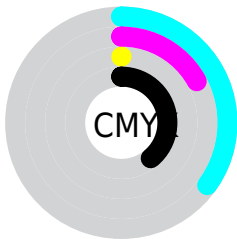
Blue (61%)



Red (39%)

Yellow (47%)

Blue (61%)

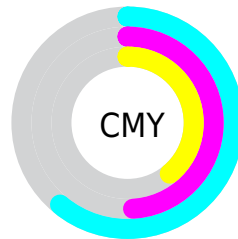


Cyan (35%)

Magenta (17%)

Yellow (0%)

Black (39%)



Cyan (61%)

Magenta (49%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0222, 20.7764, 34.0180 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 19.0222, 20.7764, 34.0180 by changing the saturation by 10% instead.

■ 19.0222, 20.7764,
34.0180

■ 19.0222, 20.7764,
34.0180

239.5070,
256.0878, 334.9839

■ 11.7904, 12.9607,
22.6300

■ 41.2882, 44.7151,
67.0959

■ 6.6723, 7.4015,
14.1178

■ 57.0531, 61.6069,
89.6228

■ 3.3025, 3.7144,
8.0629

■ 76.3931, 82.2927,
116.6997

■ 1.3157, 1.5151,
4.0469

■ 99.6736, 107.1571,
148.7453

■ 0.1949, 0.2993,
1.6511

127.2599,
136.5844, 186.1779

■ 0.0000, 0.0000,
0.3269

159.5173,

■ 0.0000, 0.0000,

170.9591, 229.4162

0.0000

196.8112,
210.6654, 278.8787

■ 19.0222, 20.7764,
34.0180

■ 19.0222, 20.7764,
34.0180

■ 16.5375, 18.1141,
33.6355

■ 21.9036, 23.7469,
34.4399

■ 14.4275, 15.7452,
33.2894

■ 25.1983, 27.0348,
34.9008

■ 12.6711, 13.6569,
32.9789

■ 28.9241, 30.6517,
35.4026

■ 11.2438, 11.8344,
32.7024

■ 33.0973, 34.6082,
35.9463

■ 10.1175, 10.2609,
32.4580

■ 37.7332, 38.9139,
36.5331

■ 9.2557, 8.9150,
32.2436

■ 42.8464, 43.5782,
37.1639

■ 8.9134, 8.3605,
32.1546

■ 48.4509, 48.6101,
37.8398

■ 54.5599, 54.0184,
38.5617

■ 61.1863, 59.8112,
39.3305

Harmonies

Analogous

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



17.4785, 20.7764, 30.9939



19.0222, 20.7764, 34.0180



20.8576, 20.7764, 33.6608

Triad

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



19.0222, 20.7764, 34.0180



23.2977, 20.7764, 19.6414



17.2394, 20.7764, 16.5097

Complementary

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



19.0222, 20.7764, 34.0180



23.2791, 22.8108, 15.2332

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.



18.6772, 20.7764, 14.3064



19.0222, 20.7764, 34.0180



22.2046, 20.7764, 15.9122

Square

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



19.0222, 20.7764, 34.0180



23.4043, 20.7764, 24.7905



20.4907, 20.7764, 14.1061



16.4927, 20.7764, 20.5837

Rectangle

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



19.0222, 20.7764, 34.0180



22.0004, 20.7764, 31.5588



20.4907, 20.7764, 14.1061



17.6537, 20.7764, 15.5549

Sweetspot

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



19.0229, 20.7772, 34.0185



47.8786, 51.1073, 62.8775



20.7218, 27.6502, 23.8716



10.6516, 11.3872, 14.2069



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.



19.0229, 20.7772, 34.0185



30.3011, 33.1873, 60.3450



15.9075, 14.5466, 32.9800



6.1405, 6.5383, 7.8674



7.1977, 6.7920, 25.8393



0.1440, 0.1744, 0.3984

Inverse Universe

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



22.0378, 17.6685, 23.0186



36.7087, 27.2576, 36.8148



27.2368, 30.7261, 16.5525



6.3380, 6.2744, 7.1602



12.0918, 6.0910, 7.0084



0.1992, 0.0984, 0.2016

Previews

White Background



This preview shows how the XYZ color 19.0222, 20.7764, 34.0180 looks on a white background.

Color Contrast Check

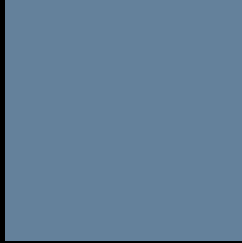
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0222, 20.7764, 34.0180 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

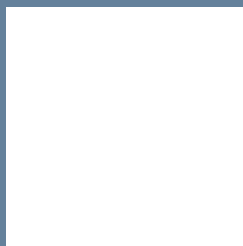
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0222, 20.7764, 34.0180

Background



This preview shows how black text looks on a background with the XYZ color 19.0222, 20.7764, 34.0180.



This preview shows how white text looks on a background with the XYZ color 19.0222, 20.7764,

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

19.0222, 20.7764, 34.0180

Protanopia

20.4829, 20.6042, 32.6032

Deuteranopia

21.1097, 20.7038, 34.3361



Tritanopia

17.9285, 20.7270, 28.6470

Trichromacy



Original Color

19.0222, 20.7764, 34.0180

Protanomaly

19.8927, 20.6664, 33.0775

Deuteranomaly

20.2738, 20.6449, 34.3688

Tritanomaly

18.2861, 20.6685, 30.6294

Monochromacy



Original Color

19.0222, 20.7764, 34.0180

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.7770, 20.0613, 25.8042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0222, 20.7764, 34.0180 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(100, 129, 155)` looks like.

```
.text, #text, p{  
    color:rgb(100, 129, 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(100, 129, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 129, 155) }
```

Border

The CSS property to change the border of an element to XYZ 19.0222, 20.7764, 34.0180 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(100, 129, 155) }
```


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

```
.border{ border-color:rgb(100, 129, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 129, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 129, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 129, 155);  
box-shadow:4px 4px 4px 4px rgb(100, 129,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0222, 20.7764, 34.0180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 129, 155) }
```

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

```
.background{ background-color: rgb(100,  
129, 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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