

Converting Colors

XYZ(20.1038, 19.9691, 44.6946)

Have a look what the booklet for
XYZ(20.1038, 19.9691, 44.6946)
contains.

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Color

**XYZ(20.1558, 19.9769,
44.9131)**

Conversions

Conversions Part 1

Format	Color
Hex	627BB2
RGB	98, 123, 178
RGB Percent	38%, 48%, 70%
CMY	0.6157, 0.5176, 0.3020
CMYK	0.45, 0.31, 0.00, 0.30
HSL	221°, 34%, 54%
HSV	221°, 45%, 70%
XYZ	20.1558, 19.9769, 44.9131
YIQ	121.7950, -32.5550, 11.8050

Conversions

Conversions Part 2

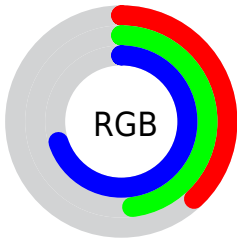
Format	Color
R _Y B	98, 117, 178
Decimal	6454194
CIE Lab	51.81, 5.88, -31.96
CIE LCh	52, 32.499, 280.417
Yxy	19.9769, 0.2370, 0.2349
Android (android.graphics.Color)	4284644274 (0xFF627BB2)
YUV	121.7950, 27.7091, -20.8682
Hunter-Lab	44.6955, 2.2788, -28.2918

Details

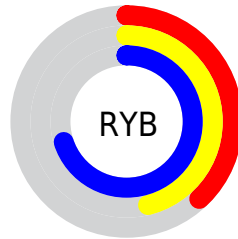
The XYZ color **20.1558, 19.9769, 44.9131** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.9566, 33.1301, 16.2665**, and the grayscale version is **18.3526, 19.3084, 21.0268**.

A 20% lighter version of the original color is **43.1301, 43.2759, 83.9218**, and **7.2565, 7.0483, 20.3800** is the 20% darker color. If you saturate the color by 10%, you get **17.0202, 16.2462, 44.3586**, and if you desaturate by 10%, it is **23.9097, 24.3088, 45.5518**.

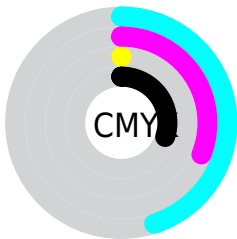
Distribution



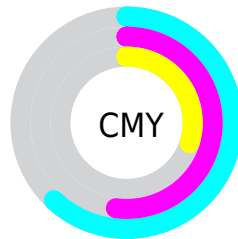
- Red (38%)
- Green (48%)
- Blue (70%)



- Red (38%)
- Yellow (46%)
- Blue (70%)



- Cyan (45%)
- Magenta (31%)
- Yellow (0%)
- Black (30%)



- Cyan (62%)
- Magenta (52%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1558, 19.9769, 44.9131 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 20.1558, 19.9769, 44.9131 by changing the saturation by 10% instead.

■ 20.1558, 19.9769,
44.9131

■ 20.1558, 19.9769,
44.9131

245.5748,
251.7900, 382.5714

■ 12.6173, 12.3783,
31.0465

■ 43.1802, 43.3785,
83.9071

■ 7.2407, 7.0018,
20.3755

■ 59.3968, 59.9501,
109.8715

■ 3.6608, 3.4632,
12.4815

■ 79.2367, 80.2816,
140.7057

■ 1.5121, 1.3781,
6.9460

■ 103.0654,
104.7573, 176.8282

■ 0.3340, 0.2005,
3.3504

131.2482,
133.7616, 218.6574

■ 0.0000, 0.0000,
1.2762

164.1505,

■ 0.0000, 0.0000,

167.6789, 266.6120

0.0422

202.1376,
206.8936, 321.1105

■ 0.0000, 0.0000,
0.0000

■ 20.1558, 19.9769,
44.9131

■ 20.1558, 19.9769,
44.9131

■ 17.0202, 16.2462,
44.3586

■ 23.9097, 24.3088,
45.5518

■ 14.4651, 13.0858,
43.8833

■ 28.3125, 29.2664,
46.2766

■ 12.4517, 10.4651,
43.4836

■ 33.3949, 34.8752,
47.0914

■ 10.9350, 8.3491,
43.1551

■ 39.1854, 41.1589,
47.9991

■ 9.8612, 6.6975,
42.8929

■ 45.7104, 48.1397,
49.0026

■ 9.4320, 6.0064,
42.7821

■ 52.9953, 55.8388,
50.1047

■ 61.0639, 64.2765,
51.3081

■ 69.9393, 73.4722,
52.6152

■ 78.4548, 82.8320,
53.9730

Harmonies

Analogous

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



16.9427, 19.9769, 43.7075



20.1558, 19.9769, 44.9131



23.3969, 19.9769, 38.6902

Triad

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



20.1558, 19.9769, 44.9131



24.2292, 19.9769, 11.9833



13.6235, 19.9769, 16.2206

Complementary

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



20.1558, 19.9769, 44.9131



31.9566, 33.1301, 16.2665

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.



15.1700, 19.9769, 10.6579



20.1558, 19.9769, 44.9131



21.1904, 19.9769, 8.7467

Square

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



20.1558, 19.9769, 44.9131



25.9227, 19.9769, 18.6338



17.8651, 19.9769, 8.3443



13.4146, 19.9769, 25.1988

Rectangle

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



20.1558, 19.9769, 44.9131



25.0451, 19.9769, 31.9914



17.8651, 19.9769, 8.3443



13.9949, 19.9769, 13.9692

Sweetspot

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



20.1565, 19.9776, 44.9136



62.2696, 65.1122, 85.6671



26.6803, 36.7269, 35.6763



13.3135, 13.8985, 18.9032



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.1565, 19.9776, 44.9136



30.8687, 29.4661, 80.4417



19.1715, 15.4392, 44.0895



8.2515, 8.6491, 10.7409



6.7990, 4.3984, 30.6276



0.2674, 0.2453, 0.9815

Inverse Universe

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



26.3035, 19.6311, 21.1424



43.7065, 29.6983, 30.5824



33.2982, 40.5449, 17.6270



8.6021, 8.5476, 9.4032



13.6665, 6.9842, 3.4037



0.4570, 0.2305, 0.2492

Previews

White Background



This preview shows how the XYZ color 20.1558, 19.9769, 44.9131 looks on a white background.

Color Contrast Check

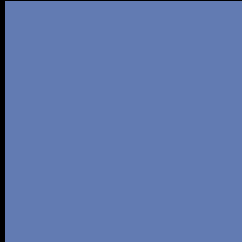
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1558, 19.9769, 44.9131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

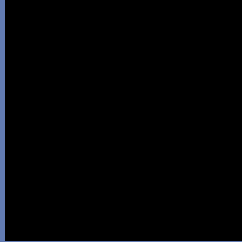
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

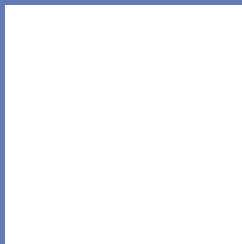
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1558, 19.9769, 44.9131

Background



This preview shows how black text looks on a background with the XYZ color 20.1558, 19.9769, 44.9131.



This preview shows how white text looks on a background with the XYZ color 20.1558, 19.9769,

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

20.1558, 19.9769, 44.9131

Protanopia

20.7170, 19.9132, 44.3467

Deuteranopia

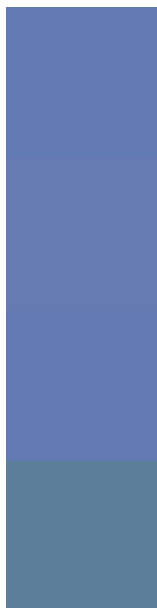
20.3622, 19.9001, 44.8874



Tritanopia

16.7208, 19.9146, 28.1619

Trichromacy



Original Color

20.1558, 19.9769, 44.9131

Protanomaly

20.4889, 19.9770, 44.3710

Deuteranomaly

20.2509, 19.8427, 44.8822

Tritanomaly

17.7365, 19.7360, 33.4465

Monochromacy



Original Color

20.1558, 19.9769, 44.9131

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.6521, 19.3828, 28.3494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1558, 19.9769, 44.9131 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(98, 123, 178)` looks like.

```
.text, #text, p{  
    color:rgb(98, 123, 178)  
}
```

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(98, 123, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 123, 178) }
```

Border

The CSS property to change the border of an element to XYZ 20.1558, 19.9769, 44.9131 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(98, 123, 178) }
```


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

```
.border{ border-color:rgb(98, 123, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 123, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 123, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 123, 178);  
box-shadow:4px 4px 4px 4px rgb(98, 123,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1558, 19.9769, 44.9131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 123, 178) }
```

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

```
.background{ background-color: rgb(98, 123,  
178) }
```

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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