

Converting Colors

XYZ(20.1064, 19.8895, 34.4026)

Have a look what the booklet for
XYZ(20.1064, 19.8895, 34.4026)
contains.

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Color

**XYZ(20.0406, 19.7880,
34.2157)**

Conversions

Conversions Part 1

Format	Color
Hex	74799C
RGB	116, 121, 156
RGB Percent	45%, 47%, 61%
CMY	0.5451, 0.5255, 0.3882
CMYK	0.26, 0.22, 0.00, 0.39
HSL	232°, 17%, 53%
HSV	232°, 26%, 61%
XYZ	20.0406, 19.7880, 34.2157
YIQ	123.4950, -14.2150, 9.8250

Conversions

Conversions Part 2

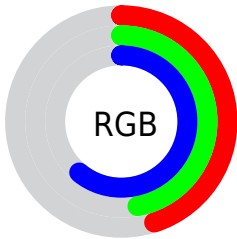
Format	Color
R_{YB}	116, 120, 156
Decimal	7633308
CIE Lab	51.60, 6.23, -19.43
CIE LCh	52, 20.402, 287.784
Yxy	19.7880, 0.2707, 0.2672
Android (android.graphics.Color)	4285823388 (0xFF74799C)
YUV	123.4950, 16.0250, -6.5731
Hunter-Lab	44.4837, 2.5705, -14.4657

Details

The XYZ color **20.0406, 19.7880, 34.2157** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.9297, 30.4625, 20.9315**, and the grayscale version is **18.9428, 19.9293, 21.7030**.

A 20% lighter version of the original color is **43.0636, 43.0253, 67.6630**, and **7.2471, 6.9783, 14.3296** is the 20% darker color. If you saturate the color by 10%, you get **16.5955, 15.7216, 33.6127**, and if you desaturate by 10%, it is **24.0700, 24.5049, 34.9141**.

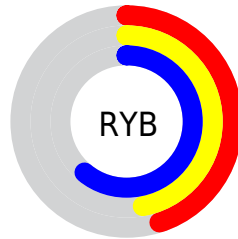
Distribution



Red (45%)

Green (47%)

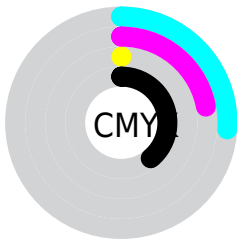
Blue (61%)



Red (45%)

Yellow (47%)

Blue (61%)

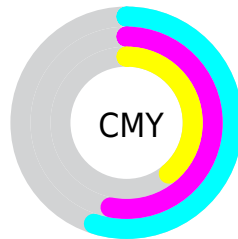


Cyan (26%)

Magenta (22%)

Yellow (0%)

Black (39%)



Cyan (55%)

Magenta (53%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0406, 19.7880, 34.2157 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 20.0406, 19.7880, 34.2157 by changing the saturation by 10% instead.

■ 20.0406, 19.7880,
34.2157

■ 20.0406, 19.7880,
34.2157

244.9642,
250.7651, 335.8912

■ 12.5330, 12.2410,
22.7807

■ 42.9887, 43.0615,
67.4067

■ 7.1825, 6.9081,
14.2279

■ 59.1598, 59.5568,
89.9997

■ 3.6239, 3.4047,
8.1388

■ 78.9496, 79.8036,
117.1491

■ 1.4916, 1.3465,
4.0948

102.7232,
104.1864, 149.2735

■ 0.3201, 0.1768,
1.6775

130.8462,
133.0896, 186.7914

■ 0.0000, 0.0000,
0.3452

163.6837,

■ 0.0000, 0.0000,

166.8975, 230.1212

0.0000

201.6013,
205.9945, 279.6817

■ 20.0406, 19.7880,
34.2157

■ 20.0406, 19.7880,
34.2157

■ 16.5955, 15.7216,
33.6127

■ 24.0700, 24.5049,
34.9141

■ 13.7055, 12.2749,
33.0998

■ 28.7072, 29.8969,
35.7105

■ 11.3419, 9.4179,
32.6729

■ 33.9766, 35.9899,
36.6088

■ 9.4727, 7.1172,
32.3273

■ 39.9009, 42.8080,
37.6126

■ 8.0621, 5.3361,
32.0579

■ 46.5016, 50.3739,
38.7251

■ 7.0695, 4.0333,
31.8587

■ 53.7991, 58.7095,
39.9494

■ 6.4433, 3.1590,
31.7230

■ 61.8131, 67.8358,
41.2885

■ 6.2422, 2.8832,
31.6803

■ 70.5624, 77.7728,
42.7454

■ 79.5471, 88.2730,
44.2986

Harmonies

Analogous

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



17.9842, 19.7880, 34.6044



20.0406, 19.7880, 34.2157



21.8883, 19.7880, 30.0779

Triad

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



20.0406, 19.7880, 34.2157



21.5894, 19.7880, 14.2052



15.2047, 19.7880, 19.2392

Complementary

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



20.0406, 19.7880, 34.2157



27.9297, 30.4625, 20.9315

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.



16.0310, 19.7880, 14.8022



20.0406, 19.7880, 34.2157



19.6563, 19.7880, 12.2712

Square

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



20.0406, 19.7880, 34.2157



22.8264, 19.7880, 18.2713



17.6268, 19.7880, 12.4677



15.2911, 19.7880, 25.1898

Rectangle

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



20.0406, 19.7880, 34.2157



22.7077, 19.7880, 26.1133



17.6268, 19.7880, 12.4677



15.3823, 19.7880, 17.5445

Sweetspot

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



20.0412, 19.7888, 34.2162



49.9122, 51.7162, 64.4783



24.6503, 29.7139, 33.5730



10.7129, 11.0662, 14.1417



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.



20.0412, 19.7888, 34.2162



32.5374, 31.3904, 61.4708



21.5553, 19.6905, 34.1174



6.3483, 6.5623, 8.3387



5.1567, 2.4049, 26.0996



0.1091, 0.0769, 0.4723

Inverse Universe

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



23.4074, 20.9399, 20.8980



39.7895, 33.9757, 32.7546



26.0826, 30.7303, 21.0806



6.6651, 6.6590, 7.0877



11.4011, 5.8650, 1.0970



0.2124, 0.1083, 0.0646

Previews

White Background



This preview shows how the XYZ color 20.0406, 19.7880, 34.2157 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 20.0406, 19.7880, 34.2157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

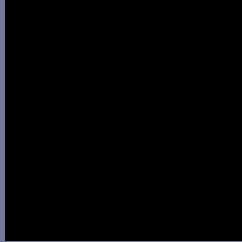
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0406, 19.7880, 34.2157

Background



This preview shows how black text looks on a background with the XYZ color 20.0406, 19.7880, 34.2157.



This preview shows how white text looks on a background with the XYZ color 20.0406, 19.7880,

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

20.0406, 19.7880, 34.2157

Protanopia

19.8997, 19.8968, 34.2441

Deuteranopia

20.1742, 19.8570, 34.2220



Tritanopia

18.3889, 19.8612, 25.7861

Trichromacy



Original Color

20.0406, 19.7880, 34.2157

Protanomaly

20.0305, 19.9642, 34.2502

Deuteranomaly

20.1742, 19.8570, 34.2220

Tritanomaly

18.9756, 19.9092, 28.8293

Monochromacy



Original Color

20.0406, 19.7880, 34.2157

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.0784, 19.6614, 25.7112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0406, 19.7880, 34.2157 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(116, 121, 156)` looks like.

```
.text, #text, p{  
    color:rgb(116, 121, 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(116, 121, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 121, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.0406, 19.7880, 34.2157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

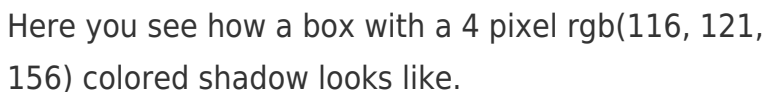
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 121, 156) }
```


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

```
.border{ border-color:rgb(116, 121, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 121, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 121, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 121, 156); box-shadow:4px 4px 4px 4px rgb(116, 121, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0406, 19.7880, 34.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 121, 156) }
```

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

```
.background{ background-color: rgb(116,  
121, 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](#).

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