

Converting Colors

XYZ(20.1319, 19.6158, 35.9829)

Have a look what the booklet for
XYZ(20.1319, 19.6158, 35.9829)
contains.

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Color

**XYZ(20.1319, 19.6158,
35.9829)**

Conversions

Conversions Part 1

Format	Color
Hex	7378A0
RGB	115, 120, 160
RGB Percent	45%, 47%, 63%
CMY	0.5490, 0.5294, 0.3725
CMYK	0.28, 0.25, 0.00, 0.37
HSL	233°, 19%, 54%
HSV	233°, 28%, 63%
XYZ	20.1319, 19.6158, 35.9829
YIQ	123.0650, -15.8200, 11.3800

Conversions

Conversions Part 2

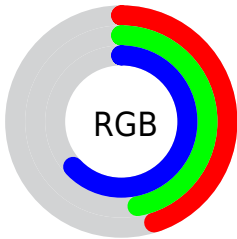
Format	Color
R_{YB}	115, 120, 160
Decimal	7567520
CIE Lab	51.40, 7.53, -22.07
CIE LCh	51, 23.317, 288.841
Yxy	19.6158, 0.2658, 0.2590
Android (android.graphics.Color)	4285757600 (0xFF7378A0)
YUV	123.0650, 18.2090, -7.0730
Hunter-Lab	44.2897, 3.6302, -17.1670

Details

The XYZ color **20.1319, 19.6158, 35.9829** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.3136, 32.1546, 20.8819**, and the grayscale version is **18.7942, 19.7730, 21.5328**.

A 20% lighter version of the original color is **43.1667, 42.7362, 70.2638**, and **7.2041, 6.8413, 15.1282** is the 20% darker color. If you saturate the color by 10%, you get **16.6225, 15.4536, 35.3648**, and if you desaturate by 10%, it is **24.2619, 24.4759, 36.7037**.

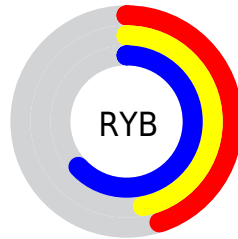
Distribution



Red (45%)

Green (47%)

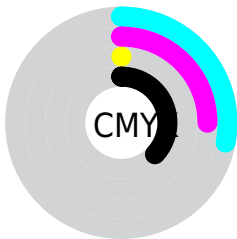
Blue (63%)



Red (45%)

Yellow (47%)

Blue (63%)

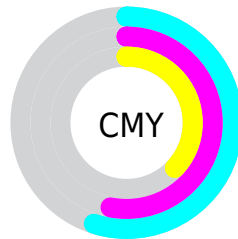


Cyan (28%)

Magenta (25%)

Yellow (0%)

Black (37%)



Cyan (55%)

Magenta (53%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1319, 19.6158, 35.9829 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 20.1319, 19.6158, 35.9829 by changing the saturation by 10% instead.

■ 20.1319, 19.6158,
35.9829

■ 20.1319, 19.6158,
35.9829

245.4483,
249.8276, 343.9209

■ 12.5998, 12.1161,
24.1314

■ 43.1405, 42.7721,
70.1744

■ 7.2286, 6.8228,
15.2180

■ 59.3476, 59.1975,
93.3515

■ 3.6531, 3.3515,
8.8242

■ 79.1772, 79.3668,
121.1409

■ 1.5078, 1.3179,
4.5315

102.9945,
103.6646, 153.9611

■ 0.3311, 0.1550,
1.9212

131.1649,
132.4752, 192.2307

■ 0.0000, 0.0000,
0.5062

164.0537,

■ 0.0000, 0.0000,

166.1829, 236.3681

0.0000

202.0264,
205.1723, 286.7921

■ 20.1319, 19.6158,
35.9829

■ 20.1319, 19.6158,
35.9829

■ 16.6225, 15.4536,
35.3648

■ 24.2619, 24.4759,
36.7037

■ 13.7016, 11.9550,
34.8435

■ 29.0385, 30.0617,
37.5301

■ 11.3375, 9.0862,
34.4143

■ 34.4886, 36.4020,
38.4666

■ 9.4943, 6.8095,
34.0720

■ 40.6371, 43.5237,
39.5172

■ 8.1322, 5.0829,
33.8106

■ 47.5074, 51.4520,
40.6854

■ 7.2051, 3.8592,
33.6232

■ 55.1220, 60.2112,
41.9748

■ 6.6409, 3.0736,
33.5013

■ 63.5024, 69.8247,
43.3886

■ 6.5579, 2.9635,
33.4844

■ 72.6691, 80.3145,
44.9303

■ 81.1538, 90.9351,
46.5331

Harmonies

Analogous

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



17.7889, 19.6158, 36.6179



20.1319, 19.6158, 35.9829



22.2324, 19.6158, 30.9864

Triad

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



20.1319, 19.6158, 35.9829



21.7576, 19.6158, 13.0673



14.5776, 19.6158, 18.9655

Complementary

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



20.1319, 19.6158, 35.9829



29.3136, 32.1546, 20.8819

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.



15.4645, 19.6158, 13.9649



20.1319, 19.6158, 35.9829



19.5266, 19.6158, 11.0648

Square

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



20.1319, 19.6158, 35.9829



23.2237, 19.6158, 17.4695



17.2317, 19.6158, 11.3549



14.7102, 19.6158, 25.7852

Rectangle

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



20.1319, 19.6158, 35.9829



23.1519, 19.6158, 26.3431



17.2317, 19.6158, 11.3549



14.7632, 19.6158, 17.0456

Sweetspot

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



20.1325, 19.6166, 35.9834



52.6967, 54.5498, 68.1383



25.5370, 31.1451, 35.5665



11.2679, 11.6261, 14.8938



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.1325, 19.6166, 35.9834



32.2675, 30.5407, 64.5808



22.0314, 19.7260, 35.9044



6.3412, 6.5481, 8.3364



5.1261, 2.3437, 26.0894



0.1068, 0.0723, 0.4715

Inverse Universe

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



24.0187, 21.0919, 20.5752



40.5931, 33.8209, 31.5440



26.9503, 32.1972, 21.0147



6.6615, 6.6575, 7.0688



11.3856, 5.8588, 1.0157



0.2112, 0.1078, 0.0585

Previews

White Background



This preview shows how the XYZ color 20.1319, 19.6158, 35.9829 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 20.1319, 19.6158, 35.9829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

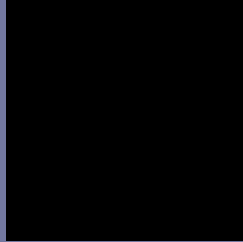
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1319, 19.6158, 35.9829

Background



This preview shows how black text looks on a background with the XYZ color 20.1319, 19.6158, 35.9829.



This preview shows how white text looks on a background with the XYZ color 20.1319, 19.6158,

35.9829.

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

20.1319, 19.6158, 35.9829

Protanopia

19.9525, 19.6927, 36.4677

Deuteranopia

20.0011, 19.5484, 35.9768



Tritanopia

18.1372, 19.7315, 25.7743

Trichromacy



Original Color

20.1319, 19.6158, 35.9829

Protanomaly

20.0804, 19.7587, 36.4737

Deuteranomaly

20.0011, 19.5484, 35.9768

Tritanomaly

18.7991, 19.6243, 29.1826

Monochromacy



Original Color

20.1319, 19.6158, 35.9829

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.1492, 19.6897, 26.0838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1319, 19.6158, 35.9829 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(115, 120, 160)` looks like.

```
.text, #text, p{  
    color:rgb(115, 120, 160)  
}
```

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(115, 120, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 120, 160) }
```

Border

The CSS property to change the border of an element to XYZ 20.1319, 19.6158, 35.9829 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(115, 120, 160) }
```


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

```
.border{ border-color:rgb(115, 120, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 120, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 120, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 120, 160);  
box-shadow:4px 4px 4px 4px rgb(115, 120,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1319, 19.6158, 35.9829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 120, 160) }
```

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

```
.background{ background-color: rgb(115,  
120, 160) }
```

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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