

Converting Colors

XYZ(20.6790, 20.1959, 55.6316)

Have a look what the booklet for
XYZ(20.6790, 20.1959, 55.6316)
contains.

XYZ(20.6790, 20.1959, 55.6316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.6790, 20.1959,
55.6316)**

Conversions

Conversions Part 1

Format	Color
Hex	517CC5
RGB	81, 124, 197
RGB Percent	32%, 49%, 77%
CMY	0.6823, 0.5137, 0.2274
CMYK	0.59, 0.37, 0.00, 0.23
HSL	218°, 50%, 55%
HSV	218°, 59%, 77%
XYZ	20.6790, 20.1959, 55.6316
YIQ	119.4650, -49.0610, 13.5870

Conversions

Conversions Part 2

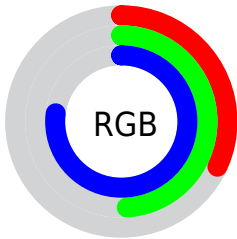
Format	Color
R_{YB}	81, 112, 197
Decimal	5340357
CIE _{Lab}	52.06, 7.37, -42.55
CIE _{LCh}	52, 43.181, 279.827
Yxy	20.1959, 0.2143, 0.2093
Android (android.graphics.Color)	4283530437 (0xFF517CC5)
YUV	119.4650, 38.2248, -33.7338
Hunter-Lab	44.9398, 3.4918, -41.9379

Details

The XYZ color **20.6790, 20.1959, 55.6316** is a dark color, and the websafe version is hex **336699**. The color can be described as middle muted azure. A complement of this color would be **36.0677, 35.5770, 12.7516**, and the grayscale version is **17.5764, 18.4917, 20.1375**.

A 20% lighter version of the original color is **44.0622, 43.6954, 99.8777**, and **7.5424, 7.1521, 26.9696** is the 20% darker color. If you saturate the color by 10%, you get **17.7720, 16.5342, 55.0785**, and if you desaturate by 10%, it is **24.2725, 24.5021, 56.2738**.

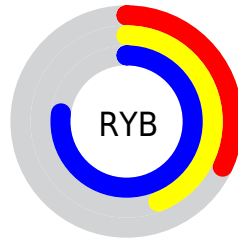
Distribution



Red (32%)

Green (49%)

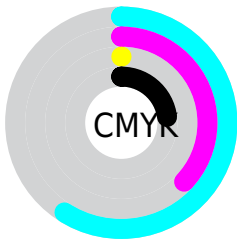
Blue (77%)



Red (32%)

Yellow (44%)

Blue (77%)

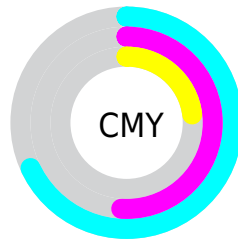


Cyan (59%)

Magenta (37%)

Yellow (0%)

Black (23%)



Cyan (68%)

Magenta (51%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6790, 20.1959, 55.6316 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 20.6790, 20.1959, 55.6316 by changing the saturation by 10% instead.

■ 20.6790, 20.1959,
55.6316

■ 20.6790, 20.1959,
55.6316

248.3317,
252.9737, 425.6509

■ 13.0007, 12.5375,
39.5056

■ 44.0480, 43.7454,
99.9461

■ 7.5060, 7.1109,
26.8424

■ 60.4694, 60.4053,
128.9718

■ 3.8297, 3.5315,
17.2235

■ 80.5359, 80.8345,
163.1344

■ 1.6062, 1.4151,
10.2304

■ 104.6128,
105.4173, 202.8525

■ 0.3965, 0.2278,
5.4444

133.0654,
134.5383, 248.5447

■ 0.0000, 0.0000,
2.4470

166.2593,

■ 0.0000, 0.0000,

168.5818, 300.6295

0.8119

204.5596,
207.9321, 359.5253

■ 0.0000, 0.0000,
0.0000

■ 20.6790, 20.1959,
55.6316

■ 20.6790, 20.1959,
55.6316

■ 17.7720, 16.5342,
55.0785

■ 24.2725, 24.5021,
56.2738

■ 15.4983, 13.4781,
54.6084

■ 28.5956, 29.4842,
57.0076

■ 13.7996, 10.9862,
54.2170

■ 33.6901, 35.1738,
57.8373

■ 12.5820, 8.9981,
53.8974

■ 39.5939, 41.5998,
58.7665

■ 12.4622, 8.7994,
53.8654

■ 46.3424, 48.7891,
59.7984

■ 53.9688, 56.7673,
60.9365

■ 62.5042, 65.5589,
62.1835

■ 71.9784, 75.1869,
63.5426

■ 81.1932, 85.0413,
64.9590

Harmonies

Analogous

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



16.4183, 20.1959, 53.5544



20.6790, 20.1959, 55.6316



25.1525, 20.1959, 46.3989

Triad

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



20.6790, 20.1959, 55.6316



26.4691, 20.1959, 9.8182



12.2877, 20.1959, 14.6356

Complementary

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



20.6790, 20.1959, 55.6316



36.0677, 35.5770, 12.7516

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.



14.2623, 20.1959, 8.1187



20.6790, 20.1959, 55.6316



22.2697, 20.1959, 6.1676

Square

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



20.6790, 20.1959, 55.6316



28.8178, 20.1959, 18.1013



17.7849, 20.1959, 5.6947



11.9962, 20.1959, 26.3990

Rectangle

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



20.6790, 20.1959, 55.6316



27.4958, 20.1959, 36.5873



17.7849, 20.1959, 5.6947



12.7604, 20.1959, 11.9060

Sweetspot

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



20.6798, 20.1966, 55.6321



71.6002, 75.2447, 105.3577



29.0717, 43.9669, 36.8905



14.6178, 15.3424, 22.4409



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.6798, 20.1966, 55.6321



30.4041, 27.7416, 98.3599



17.6924, 12.3251, 54.2702



10.3733, 10.9207, 13.4787



8.2707, 5.9353, 35.4541



0.4608, 0.4194, 1.7018

Inverse Universe

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



29.6071, 19.2113, 21.2171



48.4977, 28.0758, 28.0862



41.0917, 50.6517, 15.3966



10.7937, 10.7009, 11.8970



15.9740, 8.1392, 5.0729



0.7913, 0.3994, 0.4241

Previews

White Background



This preview shows how the XYZ color 20.6790, 20.1959, 55.6316 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 20.6790, 20.1959, 55.6316 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 20.6790, 20.1959, 55.6316

Background



This preview shows how black text looks on a background with the XYZ color 20.6790, 20.1959, 55.6316.

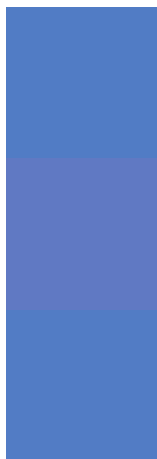


This preview shows how white text looks on a background with the XYZ color 20.6790, 20.1959,

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

20.6790, 20.1959, 55.6316

Protanopia

21.5116, 20.1017, 54.3760

Deuteranopia

20.7654, 20.2404, 55.6357



Tritanopia

15.6559, 20.3331, 30.2937

Trichromacy



Original Color

20.6790, 20.1959, 55.6316

Protanomaly

21.2377, 20.1287, 54.9904

Deuteranomaly

20.7654, 20.2404, 55.6357

Tritanomaly

17.2226, 20.1425, 38.5775

Monochromacy



Original Color

20.6790, 20.1959, 55.6316

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.9295, 18.7846, 30.2846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6790, 20.1959, 55.6316 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(81, 124, 197)` looks like.

```
.text, #text, p{  
    color:rgb(81, 124, 197)  
}
```

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(81, 124, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 124, 197) }
```

Border

The CSS property to change the border of an element to XYZ 20.6790, 20.1959, 55.6316 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(81, 124, 197) }
```


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

```
.border{ border-color:rgb(81, 124, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 124, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 124, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 124, 197);  
box-shadow:4px 4px 4px 4px rgb(81, 124,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6790, 20.1959, 55.6316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 124, 197) }
```

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

```
.background{ background-color: rgb(81, 124,  
197) }
```

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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