

Converting Colors

XYZ(20.4828, 17.4306, 55.5621)

Have a look what the booklet for
XYZ(20.4828, 17.4306, 55.5621)
contains.

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Color

**XYZ(20.5914, 17.5559,
55.7294)**

Conversions

Conversions Part 1

Format	Color
Hex	616DC6
RGB	97, 109, 198
RGB Percent	38%, 43%, 78%
CMY	0.6196, 0.5725, 0.2235
CMYK	0.51, 0.45, 0.00, 0.22
HSL	233°, 47%, 58%
HSV	233°, 51%, 78%
XYZ	20.5914, 17.5559, 55.7294
YIQ	115.5580, -35.7210, 25.1350

Conversions

Conversions Part 2

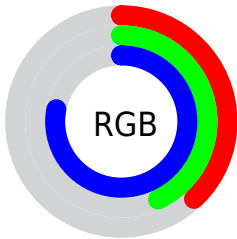
Format	Color
R _Y B	97, 108, 198
Decimal	6385094
CIE Lab	48.95, 20.33, -47.99
CIE LCh	49, 52.122, 292.955
Yxy	17.5559, 0.2193, 0.1870
Android (android.graphics.Color)	4284575174 (0xFF616DC6)
YUV	115.5580, 40.6439, -16.2754
Hunter-Lab	41.8998, 14.3982, -49.5297

Details

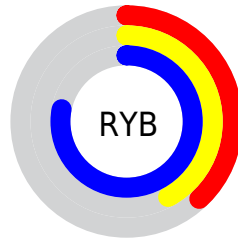
The XYZ color **20.5914, 17.5559, 55.7294** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **43.0062, 47.9880, 18.3062**, and the grayscale version is **16.3538, 17.2055, 18.7368**.

A 20% lighter version of the original color is **43.7577, 39.1339, 99.8551**, and **7.4435, 5.8217, 26.7180** is the 20% darker color. If you saturate the color by 10%, you get **17.0588, 13.2407, 55.0830**, and if you desaturate by 10%, it is **25.0214, 22.8826, 56.5244**.

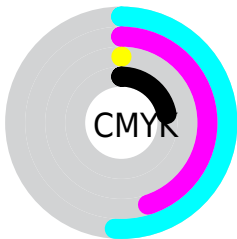
Distribution



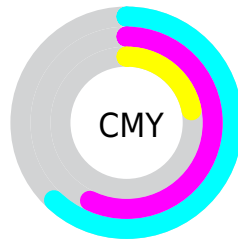
- Red (38%)
- Green (43%)
- Blue (78%)



- Red (38%)
- Yellow (42%)
- Blue (78%)



- Cyan (51%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)



- Cyan (62%)
- Magenta (57%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5914, 17.5559, 55.7294 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 20.5914, 17.5559, 55.7294 by changing the saturation by 10% instead.

■ 20.5914, 17.5559,
55.7294

■ 20.5914, 17.5559,
55.7294

247.8720,
238.3558, 426.0305

■ 12.9364, 10.6316,
39.5835

■ 43.9029, 39.2791,
100.0907

■ 7.4615, 5.8197,
26.9026

■ 60.2902, 54.8469,
129.1431

■ 3.8012, 2.7358,
17.2683

■ 80.3189, 74.0645,
163.3347

■ 1.5903, 0.9954,
10.2620

■ 104.3545, 97.3165,
203.0842

■ 0.3861, 0.0000,
5.4651

132.7622,
124.9873, 248.8099

■ 0.0000, 0.0000,
2.4592

165.9074,

■ 0.0000, 0.0000,

157.4611, 300.9305

0.8184

204.1556,
195.1225, 359.8646

■ 0.0000, 0.0000,
0.0000

■ 20.5914, 17.5559,
55.7294

■ 20.5914, 17.5559,
55.7294

■ 17.0588, 13.2407,
55.0830

■ 25.0214, 22.8826,
56.5244

■ 14.3594, 9.8707,
54.5748

■ 30.4026, 29.2777,
57.4752

■ 12.4242, 7.3744,
54.1950

■ 36.7871, 36.7962,
58.5899

■ 11.1713, 5.6688,
53.9318

■ 44.2226, 45.4887,
59.8758

■ 10.5100, 4.7109,
53.7818

■ 52.7536, 55.4025,
61.3398

■ 62.4223, 66.5825,
62.9881

■ 73.2683, 79.0712,
64.8270

■ 85.1807, 92.8325,
66.8554

■ 87.1931, 96.8572,
67.5262

Harmonies

Analogous

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



15.5693, 17.5559, 59.7236



20.5914, 17.5559, 55.7294



25.2849, 17.5559, 40.1243

Triad

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



20.5914, 17.5559, 55.7294



22.9540, 17.5559, 4.7460



9.0409, 17.5559, 16.0254

Complementary

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



20.5914, 17.5559, 55.7294



43.0062, 47.9880, 18.3062

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.



10.2984, 17.5559, 7.1233



20.5914, 17.5559, 55.7294



17.8556, 17.5559, 2.9781

Square

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



20.5914, 17.5559, 55.7294



26.8230, 17.5559, 10.4810



13.3091, 17.5559, 3.5668



9.4919, 17.5559, 31.5289

Rectangle

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



20.5914, 17.5559, 55.7294



27.2765, 17.5559, 28.0545



13.3091, 17.5559, 3.5668



9.2681, 17.5559, 12.3108

Sweetspot

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



20.5921, 17.5565, 55.7298



72.5251, 73.8016, 105.0304



33.8323, 46.4132, 52.8171



14.9230, 15.0946, 22.3770



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.



20.5921, 17.5565, 55.7298



29.7149, 22.8380, 97.4498



24.3054, 17.6987, 55.5616



10.1565, 10.4871, 13.4064



6.8683, 3.1305, 34.9866



0.3599, 0.2176, 1.6682

Inverse Universe

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



30.3243, 21.6601, 17.0510



49.0103, 31.5755, 20.6287



37.0437, 48.8254, 18.7821



10.6843, 10.6571, 11.3207



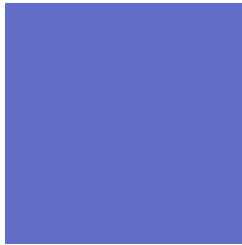
15.2661, 7.8560, 1.3453



0.7404, 0.3790, 0.1559

Previews

White Background



This preview shows how the XYZ color 20.5914, 17.5559, 55.7294 looks on a white background.

Color Contrast Check

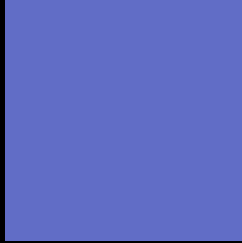
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.5914, 17.5559, 55.7294 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 20.5914, 17.5559, 55.7294

Background



This preview shows how black text looks on a background with the XYZ color 20.5914, 17.5559, 55.7294.



This preview shows how white text looks on a background with the XYZ color 20.5914, 17.5559,

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

20.5914, 17.5559, 55.7294

Protanopia

19.5463, 17.6110, 58.2462

Deuteranopia

18.1287, 17.6379, 54.6735



Tritanopia

14.4912, 17.6730, 25.2017

Trichromacy



Original Color

20.5914, 17.5559, 55.7294

Protanomaly

19.9929, 17.6902, 57.6191

Deuteranomaly

18.8430, 17.4823, 55.2046

Tritanomaly

16.3388, 17.5128, 34.4174

Monochromacy



Original Color

20.5914, 17.5559, 55.7294

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.4001, 17.1368, 29.5848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5914, 17.5559, 55.7294 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(97, 109, 198)` looks like.

```
.text, #text, p{  
    color:rgb(97, 109, 198)  
}
```

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(97, 109, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 109, 198) }
```

Border

The CSS property to change the border of an element to XYZ 20.5914, 17.5559, 55.7294 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(97, 109, 198) }
```


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

```
.border{ border-color:rgb(97, 109, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 109, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 109, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 109, 198);  
box-shadow:4px 4px 4px 4px rgb(97, 109,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5914, 17.5559, 55.7294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 109, 198) }
```

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

```
.background{ background-color: rgb(97, 109,  
198) }
```

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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