

Converting Colors

XYZ(20.6089, 19.5724, 30.3243)

Have a look what the booklet for
XYZ(20.6089, 19.5724, 30.3243)
contains.

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Color

**XYZ(20.6470, 19.6526,
30.3089)**

Conversions

Conversions Part 1

Format	Color
Hex	807693
RGB	128, 118, 147
RGB Percent	50%, 46%, 58%
CMY	0.4980, 0.5372, 0.4235
CMYK	0.13, 0.20, 0.00, 0.42
HSL	261°, 12%, 52%
HSV	261°, 20%, 58%
XYZ	20.6470, 19.6526, 30.3089
YIQ	124.2960, -3.3490, 11.1390

Conversions

Conversions Part 2

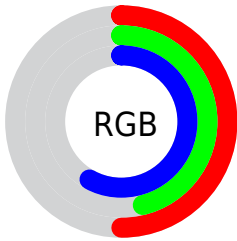
Format	Color
R_{YB}	128, 118, 147
Decimal	8418963
CIE _{Lab}	51.44, 9.87, -14.31
CIE _{LCh}	51, 17.381, 304.598
Yxy	19.6526, 0.2924, 0.2783
Android (android.graphics.Color)	4286609043 (0xFF807693)
YUV	124.2960, 11.1931, 3.2484
Hunter-Lab	44.3313, 5.5556, -9.5042

Details

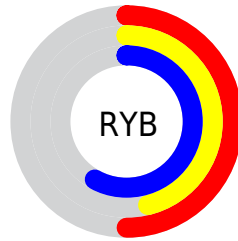
The XYZ color **20.6470, 19.6526, 30.3089** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.0208, 27.4943, 21.1812**, and the grayscale version is **19.2220, 20.2230, 22.0229**.

A 20% lighter version of the original color is **43.9734, 42.7903, 61.2000**, and **7.5259, 6.8871, 11.9990** is the 20% darker color. If you saturate the color by 10%, you get **17.6685, 15.7449, 29.7119**, and if you desaturate by 10%, it is **24.0340, 24.1724, 31.0031**.

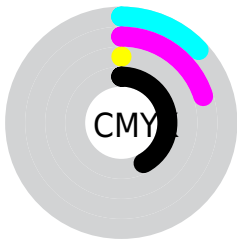
Distribution



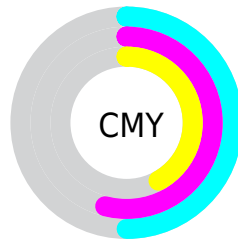
- Red (50%)
- Green (46%)
- Blue (58%)



- Red (50%)
- Yellow (46%)
- Blue (58%)



- Cyan (13%)
- Magenta (20%)
- Yellow (0%)
- Black (42%)



- Cyan (50%)
- Magenta (54%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6470, 19.6526, 30.3089 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 20.6470, 19.6526, 30.3089 by changing the saturation by 10% instead.

■ 20.6470, 19.6526,
30.3089

■ 20.6470, 19.6526,
30.3089

248.1639,
250.0282, 317.5937

■ 12.9772, 12.1428,
19.8191

■ 43.9950, 42.8340,
61.2171

■ 7.4897, 6.8410,
12.0809

■ 60.4039, 59.2743,
82.4726

■ 3.8193, 3.3629,
6.6756

■ 80.4566, 79.4603,
108.1538

■ 1.6004, 1.3240,
3.1847

104.5184,
103.7762, 138.6792

■ 0.3927, 0.1597,
1.1897

132.9547,
132.6066, 174.4674

■ 0.0000, 0.0000,
0.0000

166.1308,

166.3358, 215.9368

204.4121,
205.3482, 263.5061

■ 20.6470, 19.6526,
30.3089

■ 20.6470, 19.6526,
30.3089

■ 17.6685, 15.7449,
29.7119

■ 24.0340, 24.1724,
31.0031

■ 15.0805, 12.4201,
29.2066

■ 27.8430, 29.3270,
31.7973

■ 12.8662, 9.6499,
28.7886

■ 32.0892, 35.1411,
32.6957

■ 11.0066, 7.4029,
28.4529

■ 36.7863, 41.6371,
33.7020

■ 9.4813, 5.6444,
28.1938

■ 41.9474, 48.8365,
34.8196

8.2671, 4.3352,
28.0052

47.5853, 56.7598,
36.0518

7.3377, 3.4301,
27.8794

53.7119, 65.4266,
37.4018

6.6337, 2.8179,
27.7984

60.3389, 74.8558,
38.8725

6.6161, 2.8024,
27.7963

67.4777, 85.0656,
40.4669

Harmonies

Analogous

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



18.9491, 19.6526, 32.4591



20.6470, 19.6526, 30.3089



21.8722, 19.6526, 25.7842

Triad

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



20.6470, 19.6526, 30.3089



20.1537, 19.6526, 13.8481



15.5345, 19.6526, 22.1768

Complementary

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



20.6470, 19.6526, 30.3089



24.0208, 27.4943, 21.1812

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.



15.8131, 19.6526, 17.5404



20.6470, 19.6526, 30.3089



18.4119, 19.6526, 13.1879

Square

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



20.6470, 19.6526, 30.3089



21.5752, 19.6526, 16.3992



16.8406, 19.6526, 14.4316



16.0547, 19.6526, 27.3224

Rectangle

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



20.6470, 19.6526, 30.3089



22.2174, 19.6526, 22.3145



16.8406, 19.6526, 14.4316



15.5382, 19.6526, 20.5076

Sweetspot

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



20.6476, 19.6534, 30.3093



45.4104, 46.4816, 56.0130



21.7314, 23.9450, 31.0806



10.2784, 10.4921, 12.7683



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.6476, 19.6534, 30.3093



34.3441, 31.7260, 53.7482



22.9294, 20.8297, 30.4161



5.6768, 5.7244, 7.2755



5.7604, 2.4421, 24.0988



0.0999, 0.0450, 0.2963

Inverse Universe

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



23.0270, 20.9668, 26.5009



39.5072, 34.5785, 45.3676



21.8489, 26.3746, 21.0796



5.9512, 5.8755, 6.8492



12.2864, 6.1196, 10.2554



0.1643, 0.0805, 0.1988

Previews

White Background



This preview shows how the XYZ color 20.6470, 19.6526, 30.3089 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 20.6470, 19.6526, 30.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

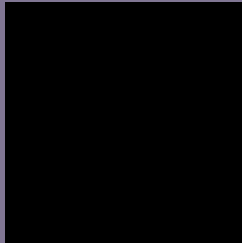
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6470, 19.6526, 30.3089

Background



This preview shows how black text looks on a background with the XYZ color 20.6470, 19.6526, 30.3089.



This preview shows how white text looks on a background with the XYZ color 20.6470, 19.6526,

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

20.6470, 19.6526, 30.3089

Protanopia

19.4646, 19.5577, 31.1829

Deuteranopia

20.1513, 19.7505, 30.3539



Tritanopia

19.3241, 19.6464, 23.8927

Trichromacy



Original Color

20.6470, 19.6526, 30.3089

Protanomaly

19.8075, 19.5641, 30.7493

Deuteranomaly

20.3207, 19.6602, 30.3275

Tritanomaly

19.7646, 19.6461, 26.0429

Monochromacy



Original Color

20.6470, 19.6526, 30.3089

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5818, 19.9450, 24.6475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6470, 19.6526, 30.3089 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(128, 118, 147)` looks like.

```
.text, #text, p{  
    color:rgb(128, 118, 147)  
}
```

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(128, 118, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 118, 147) }
```

Border

The CSS property to change the border of an element to XYZ 20.6470, 19.6526, 30.3089 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(128, 118, 147) }
```


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

```
.border{ border-color:rgb(128, 118, 147) }
```

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

Here you see how a box with a 4 pixel rgb(128, 118, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 118, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 118, 147);  
box-shadow:4px 4px 4px 4px rgb(128, 118,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6470, 19.6526, 30.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 118, 147) }
```

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

```
.background{ background-color: rgb(128,  
118, 147) }
```

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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