

Converting Colors

XYZ(20.0309, 19.6460, 48.6353)

Have a look what the booklet for
XYZ(20.0309, 19.6460, 48.6353)
contains.

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Color

**XYZ(20.0309, 19.6460,
48.6353)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7AB9
RGB	91, 122, 185
RGB Percent	36%, 48%, 73%
CMY	0.6431, 0.5216, 0.2745
CMYK	0.51, 0.34, 0.00, 0.27
HSL	220°, 40%, 54%
HSV	220°, 51%, 73%
XYZ	20.0309, 19.6460, 48.6353
YIQ	119.9130, -38.6990, 13.0210

Conversions

Conversions Part 2

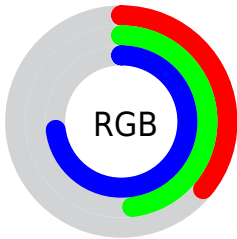
Format	Color
R_{YB}	91, 114, 185
Decimal	5995193
CIE Lab	51.43, 6.88, -36.62
CIE LCh	51, 37.258, 280.644
Yxy	19.6460, 0.2268, 0.2225
Android (android.graphics.Color)	4284185273 (0xFF5B7AB9)
YUV	119.9130, 32.0879, -25.3567
Hunter-Lab	44.3238, 3.1014, -34.0306

Details

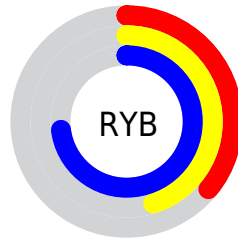
The XYZ color **20.0309, 19.6460, 48.6353** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.4525, 34.1822, 14.7332**, and the grayscale version is **17.7351, 18.6587, 20.3193**.

A 20% lighter version of the original color is **42.8673, 42.7340, 89.2082**, and **7.1727, 6.8596, 22.4187** is the 20% darker color. If you saturate the color by 10%, you get **17.0004, 15.9663, 48.0852**, and if you desaturate by 10%, it is **23.7066, 23.9474, 49.2722**.

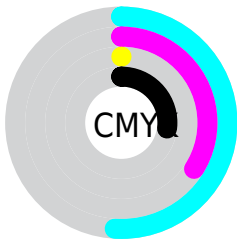
Distribution



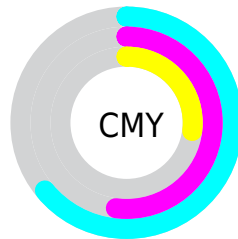
- Red (36%)
- Green (48%)
- Blue (73%)



- Red (36%)
- Yellow (45%)
- Blue (73%)



- Cyan (51%)
- Magenta (34%)
- Yellow (0%)
- Black (27%)



- Cyan (64%)
- Magenta (52%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0309, 19.6460, 48.6353 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 20.0309, 19.6460, 48.6353 by changing the saturation by 10% instead.

■ 20.0309, 19.6460,
48.6353

■ 20.0309, 19.6460,
48.6353

244.9127,
249.9922, 397.8859

■ 12.5259, 12.1380,
33.9667

■ 42.9725, 42.8229,
89.5249

■ 7.1776, 6.8377,
22.5909

■ 59.1399, 59.2605,
116.5830

■ 3.6208, 3.3608,
14.0892

■ 78.9254, 79.4435,
148.6081

■ 1.4899, 1.3229,
8.0433

■ 102.6944,
103.7562, 186.0186

■ 0.3190, 0.1588,
4.0345

130.8123,
132.5830, 229.2330

■ 0.0000, 0.0000,
1.6443

163.6444,

■ 0.0000, 0.0000,

166.3084, 278.6701

0.3221

201.5561,
205.3166, 334.7482

■ 0.0000, 0.0000,
0.0000

■ 20.0309, 19.6460,
48.6353

■ 20.0309, 19.6460,
48.6353

■ 17.0004, 15.9663,
48.0852

■ 23.7066, 23.9474,
49.2722

■ 14.5721, 12.8742,
47.6163

■ 28.0625, 28.8978,
49.9981

■ 12.7005, 10.3352,
47.2249

■ 33.1335, 34.5252,
50.8171

■ 11.3319, 8.3092,
46.9060

■ 38.9514, 40.8553,
51.7323

■ 10.4262, 6.8411,
46.6703

■ 45.5459, 47.9124,
52.7469

■ 52.9452, 55.7195,
53.8638

■ 61.1760, 64.2987,
55.0859

■ 70.2637, 73.6710,
56.4160

■ 79.3048, 83.3783,
57.8132

Harmonies

Analogous

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



16.3927, 19.6460, 47.2507



20.0309, 19.6460, 48.6353



23.7514, 19.6460, 41.0965

Triad

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



20.0309, 19.6460, 48.6353



24.6684, 19.6460, 10.5976



12.6845, 19.6460, 15.2736

Complementary

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



20.0309, 19.6460, 48.6353



33.4525, 34.1822, 14.7332

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.



14.3754, 19.6460, 9.2739



20.0309, 19.6460, 48.6353



21.1554, 19.6460, 7.2638

Square

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



20.0309, 19.6460, 48.6353



26.6563, 19.6460, 17.8131



17.3778, 19.6460, 6.8773



12.4676, 19.6460, 25.4189

Rectangle

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



20.0309, 19.6460, 48.6353



25.6567, 19.6460, 33.1393



17.3778, 19.6460, 6.8773



13.0876, 19.6460, 12.8105

Sweetspot

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



20.0316, 19.6467, 48.6358



64.9696, 67.9828, 91.9023



27.4691, 39.2447, 36.5546



13.5395, 14.1476, 19.7387



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.0316, 19.6467, 48.6358



29.8755, 27.8831, 86.0120



18.5224, 14.0912, 47.6430



8.7566, 9.1904, 11.3918



7.1595, 4.7787, 31.7981



0.3106, 0.2849, 1.1404

Inverse Universe

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



27.2622, 19.2025, 20.6825



44.6504, 28.3306, 28.5887



35.6717, 43.9257, 16.4970



9.1235, 9.0598, 9.9976



14.2275, 7.2647, 3.8186



0.5309, 0.2679, 0.2893

Previews

White Background



This preview shows how the XYZ color 20.0309, 19.6460, 48.6353 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 20.0309, 19.6460, 48.6353 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

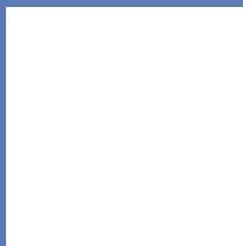
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0309, 19.6460, 48.6353

Background



This preview shows how black text looks on a background with the XYZ color 20.0309, 19.6460, 48.6353.

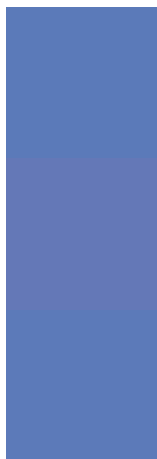


This preview shows how white text looks on a background with the XYZ color 20.0309, 19.6460,

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

20.0309, 19.6460, 48.6353

Protanopia

20.5192, 19.5612, 47.4939

Deuteranopia

20.1301, 19.6972, 48.6399



Tritanopia

15.9846, 19.7335, 28.1658

Trichromacy



Original Color

20.0309, 19.6460, 48.6353

Protanomaly

20.4189, 19.6768, 48.0692

Deuteranomaly

20.1301, 19.6972, 48.6399

Tritanomaly

17.2846, 19.6665, 34.7833

Monochromacy



Original Color

20.0309, 19.6460, 48.6353

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1781, 18.9396, 29.0832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0309, 19.6460, 48.6353 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(91, 122, 185)` looks like.

```
.text, #text, p{  
    color:rgb(91, 122, 185)  
}
```

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(91, 122, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 122, 185) }
```

Border

The CSS property to change the border of an element to XYZ 20.0309, 19.6460, 48.6353 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(91, 122, 185) }
```


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

```
.border{ border-color:rgb(91, 122, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 122, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 122, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 122, 185);  
box-shadow:4px 4px 4px 4px rgb(91, 122,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0309, 19.6460, 48.6353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 122, 185) }
```

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

```
.background{ background-color: rgb(91, 122,  
185) }
```

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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