

Converting Colors

XYZ(20.3307, 19.3495, 56.5245)

Have a look what the booklet for
XYZ(20.3307, 19.3495, 56.5245)
contains.

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Color

**XYZ(20.3335, 19.2619,
56.6791)**

Conversions

Conversions Part 1

Format	Color
Hex	5078C7
RGB	80, 120, 199
RGB Percent	31%, 47%, 78%
CMY	0.6863, 0.5294, 0.2196
CMYK	0.60, 0.40, 0.00, 0.22
HSL	220°, 52%, 55%
HSV	220°, 60%, 78%
XYZ	20.3335, 19.2619, 56.6791
YIQ	117.0460, -49.1990, 16.0890

Conversions

Conversions Part 2

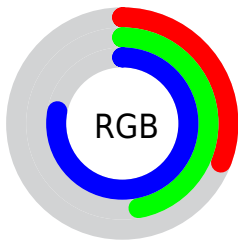
Format	Color
R_{YB}	80, 110, 199
Decimal	5273799
CIE _{Lab}	50.99, 10.28, -45.38
CIE _{LCh}	51, 46.532, 282.763
Yxy	19.2619, 0.2112, 0.2001
Android (android.graphics.Color)	4283463879 (0xFF5078C7)
YUV	117.0460, 40.4033, -32.4893
Hunter-Lab	43.8884, 5.8944, -45.8475

Details

The XYZ color **20.3335, 19.2619, 56.6791** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **37.4006, 37.5195, 12.8613**, and the grayscale version is **16.8132, 17.6888, 19.2631**.

A 20% lighter version of the original color is **43.2838, 42.1283, 100.4580**, and **7.4282, 6.6791, 27.6857** is the 20% darker color. If you saturate the color by 10%, you get **17.4146, 15.5591, 56.1186**, and if you desaturate by 10%, it is **23.9707, 23.6609, 57.3369**.

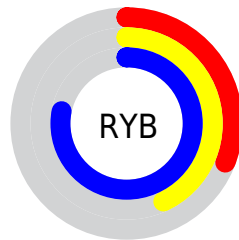
Distribution



Red (31%)

Green (47%)

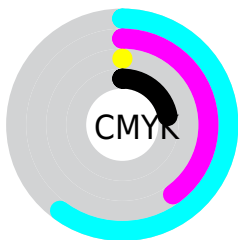
Blue (78%)



Red (31%)

Yellow (43%)

Blue (78%)

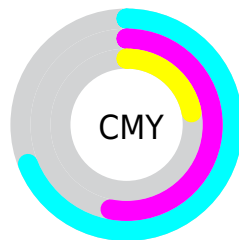


Cyan (60%)

Magenta (40%)

Yellow (0%)

Black (22%)



Cyan (69%)

Magenta (53%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3335, 19.2619, 56.6791 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 20.3335, 19.2619, 56.6791 by changing the saturation by 10% instead.

■ 20.3335, 19.2619,
56.6791

■ 20.3335, 19.2619,
56.6791

246.5142,
247.8908, 429.7058

■ 12.7474, 11.8597,
40.3400

■ 43.4753, 42.1762,
101.4925

■ 7.3306, 6.6482,
27.4879

■ 59.7617, 58.4570,
130.8039

■ 3.7179, 3.2431,
17.7044

■ 79.6789, 78.4662,
165.2764

■ 1.5438, 1.2599,
10.5707

■ 103.5922,
102.5881, 205.3287

■ 0.3553, 0.1098,
5.6684

131.8670,
131.2071, 251.3792

■ 0.0000, 0.0000,
2.5790

164.8688,

■ 0.0000, 0.0000,

164.7076, 303.8466

0.8816

202.9627,
203.4741, 363.1492

■ 0.0000, 0.0000,
0.0000

■ 20.3335, 19.2619,
56.6791

■ 20.3335, 19.2619,
56.6791

■ 17.4146, 15.5591,
56.1186

■ 23.9707, 23.6609,
57.3369

■ 15.1573, 12.5094,
55.6490

■ 28.3721, 28.7916,
58.0952

■ 13.4992, 10.0667,
55.2649

■ 33.5823, 34.6889,
58.9589

■ 12.3304, 8.1590,
54.9582

■ 39.6417, 41.3851,
59.9321

■ 12.3093, 8.1244,
54.9527

■ 46.5877, 48.9101,
61.0184

■ 54.4556, 57.2925,
62.2217

■ 63.2785, 66.5591,
63.5453

■ 73.0881, 76.7359,
64.9926

■ 82.3873, 87.0604,
66.4953

Harmonies

Analogous

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



15.8084, 19.2619, 55.6911



20.3335, 19.2619, 56.6791



24.9985, 19.2619, 45.6288

Triad

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



20.3335, 19.2619, 56.6791



25.6047, 19.2619, 8.0412



11.0890, 19.2619, 14.3228

Complementary

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



20.3335, 19.2619, 56.6791



37.4006, 37.5195, 12.8613

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.



12.9321, 19.2619, 7.3250



20.3335, 19.2619, 56.6791



21.0578, 19.2619, 4.8841

Square

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



20.3335, 19.2619, 56.6791



28.3674, 19.2619, 15.8569



16.4214, 19.2619, 4.6928



10.9615, 19.2619, 27.0856

Rectangle

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



20.3335, 19.2619, 56.6791



27.3584, 19.2619, 34.8442



16.4214, 19.2619, 4.6928



11.5123, 19.2619, 11.3796

Sweetspot

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



20.3343, 19.2625, 56.6796



71.1705, 74.3852, 105.2144



29.8483, 44.9993, 39.1689



14.5140, 15.1347, 22.4063



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.



20.3343, 19.2625, 56.6796



29.0806, 25.3800, 97.9739



18.1993, 12.4503, 55.4772



10.3432, 10.8604, 13.4686



7.9880, 5.3700, 35.3599



0.4453, 0.3885, 1.6967

Inverse Universe

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



29.8127, 19.2365, 19.9114



47.7600, 27.5140, 25.0237



40.9634, 51.2685, 15.3273



10.7785, 10.6948, 11.8168



15.8313, 8.0821, 4.3216



0.7835, 0.3962, 0.3830

Previews

White Background



This preview shows how the XYZ color 20.3335, 19.2619, 56.6791 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 20.3335, 19.2619, 56.6791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

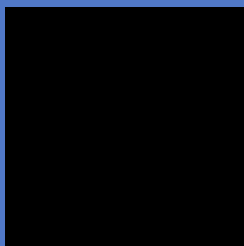
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3335, 19.2619, 56.6791

Background



This preview shows how black text looks on a background with the XYZ color 20.3335, 19.2619, 56.6791.



This preview shows how white text looks on a background with the XYZ color 20.3335, 19.2619,

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

20.3335, 19.2619, 56.6791

Protanopia

20.6763, 19.1119, 55.4225

Deuteranopia

19.9408, 19.4203, 56.7303



Tritanopia

14.7847, 19.2979, 28.9322

Trichromacy



Original Color

20.3335, 19.2619, 56.6791

Protanomaly

20.6276, 19.2493, 56.0544

Deuteranomaly

20.0478, 19.2941, 56.7003

Tritanomaly

16.4444, 19.1727, 37.4843

Monochromacy



Original Color

20.3335, 19.2619, 56.6791

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.4538, 18.0065, 30.1595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3335, 19.2619, 56.6791 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(80, 120, 199)` looks like.

```
.text, #text, p{  
    color:rgb(80, 120, 199)  
}
```

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(80, 120, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 120, 199) }
```

Border

The CSS property to change the border of an element to XYZ 20.3335, 19.2619, 56.6791 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(80, 120, 199) }
```


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

```
.border{ border-color:rgb(80, 120, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 120, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 120, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 120, 199);  
box-shadow:4px 4px 4px 4px rgb(80, 120,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3335, 19.2619, 56.6791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 120, 199) }
```

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

```
.background{ background-color: rgb(80, 120,  
199) }
```

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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