

Converting Colors

XYZ(19.9942, 20.0662, 56.5705)

Have a look what the booklet for
XYZ(19.9942, 20.0662, 56.5705)
contains.

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Color

**XYZ(20.0263, 20.0197,
56.8415)**

Conversions

Conversions Part 1

Format	Color
Hex	447DC7
RGB	68, 125, 199
RGB Percent	27%, 49%, 78%
CMY	0.7333, 0.5098, 0.2196
CMYK	0.66, 0.37, 0.00, 0.22
HSL	214°, 54%, 52%
HSV	214°, 66%, 78%
XYZ	20.0263, 20.0197, 56.8415
YIQ	116.3930, -57.7260, 10.9300

Conversions

Conversions Part 2

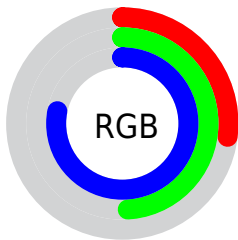
Format	Color
R _Y B	68, 108, 199
Decimal	4488647
CIE Lab	51.86, 5.03, -44.04
CIE LCh	52, 44.326, 276.513
Yxy	20.0197, 0.2067, 0.2066
Android (android.graphics.Color)	4282678727 (0xFF447DC7)
YUV	116.3930, 40.7253, -42.4407
Hunter-Lab	44.7434, 1.5923, -44.0010

Details

The XYZ color **20.0263, 20.0197, 56.8415** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **34.2709, 31.9076, 9.8225**, and the grayscale version is **16.6135, 17.4786, 19.0342**.

A 20% lighter version of the original color is **42.6742, 43.2535, 100.7073**, and **7.7647, 7.3521, 27.7979** is the 20% darker color. If you saturate the color by 10%, you get **17.5231, 16.7350, 56.3399**, and if you desaturate by 10%, it is **23.1631, 23.8706, 57.4199**.

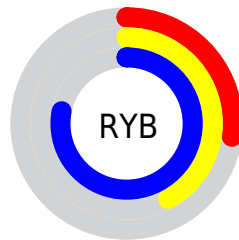
Distribution



Red (27%)

Green (49%)

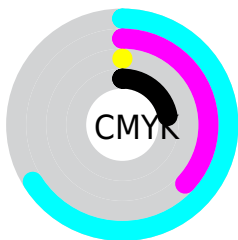
Blue (78%)



Red (27%)

Yellow (42%)

Blue (78%)

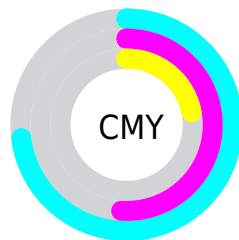


Cyan (66%)

Magenta (37%)

Yellow (0%)

Black (22%)



Cyan (73%)

Magenta (51%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0263, 20.0197, 56.8415 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 20.0263, 20.0197, 56.8415 by changing the saturation by 10% instead.

■ 20.0263, 20.0197,
56.8415

■ 20.0263, 20.0197,
56.8415

244.8883,
252.0217, 430.3322

■ 12.5225, 12.4094,
40.4695

■ 42.9649, 43.4502,
101.7319

■ 7.1753, 7.0231,
27.5882

■ 59.1304, 60.0392,
131.0874

■ 3.6193, 3.4766,
17.7792

■ 78.9139, 80.3898,
165.6078

■ 1.4891, 1.3853,
10.6237

■ 102.6807,
104.8865, 205.7116

■ 0.3184, 0.2059,
5.7035

■ 130.7962,
133.9136, 251.8174

■ 0.0000, 0.0000,
2.5998

163.6257,

■ 0.0000, 0.0000,

167.8556, 304.3438

0.8923

201.5346,
207.0969, 363.7092

■ 0.0000, 0.0000,
0.0000

■ 20.0263, 20.0197,
56.8415

■ 20.0263, 20.0197,
56.8415

■ 17.5231, 16.7350,
56.3399

■ 23.1631, 23.8706,
57.4199

■ 15.5959, 13.9783,
55.9093

■ 26.9791, 28.3182,
58.0772

■ 14.1776, 11.7067,
55.5456

■ 31.5182, 33.3924,
58.8174

■ 13.6835, 10.8727,
55.4107

■ 36.8195, 39.1205,
59.6436

■ 42.9193, 45.5277,
60.5589

■ 49.8513, 52.6378,
61.5659

■ 57.6471, 60.4734,
62.6674

■ 66.3369, 69.0561,
63.8661

■ 75.9492, 78.4062,
65.1642

Harmonies

Analogous

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



15.7844, 20.0197, 53.3305



20.0263, 20.0197, 56.8415



24.6534, 20.0197, 48.3892

Triad

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



20.0263, 20.0197, 56.8415



26.8622, 20.0197, 10.1301



12.1457, 20.0197, 13.3399

Complementary

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



20.0263, 20.0197, 56.8415



34.2709, 31.9076, 9.8225

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.



14.3311, 20.0197, 7.3335



20.0263, 20.0197, 56.8415



22.6883, 20.0197, 6.0564

Square

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



20.0263, 20.0197, 56.8415



28.9821, 20.0197, 19.1070



18.0637, 20.0197, 5.2857



11.6623, 20.0197, 24.7307

Rectangle

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



20.0263, 20.0197, 56.8415



27.1932, 20.0197, 38.5244



18.0637, 20.0197, 5.2857



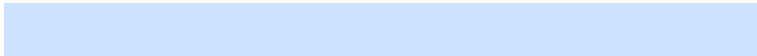
12.6868, 20.0197, 10.7867

Sweetspot

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



20.0271, 20.0204, 56.8420



70.1998, 74.5533, 105.2980



27.5456, 43.9714, 31.8672



14.3816, 15.2793, 22.4412



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.



20.0271, 20.0204, 56.8420



29.1016, 27.1005, 98.3048



15.2436, 9.7367, 55.1092



10.4299, 11.0340, 13.4975



8.8825, 7.1589, 35.6580



0.4923, 0.4824, 1.7123

Inverse Universe

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



29.3227, 17.7580, 21.2847



47.3609, 25.7857, 27.7581



43.3198, 52.5300, 13.3261



10.8223, 10.7123, 12.0475



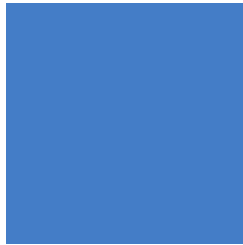
16.2828, 8.2627, 6.6991



0.8072, 0.4057, 0.5079

Previews

White Background



This preview shows how the XYZ color 20.0263, 20.0197, 56.8415 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 20.0263, 20.0197, 56.8415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

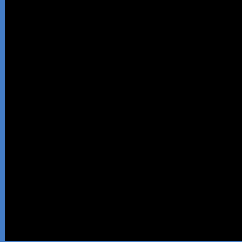
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0263, 20.0197, 56.8415

Background



This preview shows how black text looks on a background with the XYZ color 20.0263, 20.0197, 56.8415.



This preview shows how white text looks on a background with the XYZ color 20.0263, 20.0197,

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

20.0263, 20.0197, 56.8415

Protanopia

21.4070, 20.0478, 54.3711

Deuteranopia

20.4523, 19.8672, 56.7896



Tritanopia

14.7982, 20.0900, 30.7016

Trichromacy



Original Color

20.0263, 20.0197, 56.8415

Protanomaly

20.6697, 19.8359, 54.9639

Deuteranomaly

20.3405, 19.9947, 56.8201

Tritanomaly

16.3531, 19.8841, 39.0525

Monochromacy



Original Color

20.0263, 20.0197, 56.8415

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.9307, 17.9216, 29.7610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0263, 20.0197, 56.8415 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(68, 125, 199)` looks like.

```
.text, #text, p{  
    color:rgb(68, 125, 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(68, 125, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 125, 199) }
```

Border

The CSS property to change the border of an element to XYZ 20.0263, 20.0197, 56.8415 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(68, 125, 199) }
```


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

```
.border{ border-color:rgb(68, 125, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 125, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 125, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 125, 199);  
box-shadow:4px 4px 4px 4px rgb(68, 125,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0263, 20.0197, 56.8415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 125, 199) }
```

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

```
.background{ background-color: rgb(68, 125,  
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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