

Converting Colors

XYZ(19.6048, 16.5052, 56.6145)

Have a look what the booklet for
XYZ(19.6048, 16.5052, 56.6145)
contains.

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Color

**XYZ(19.6992, 16.6020,
56.8098)**

Conversions

Conversions Part 1

Format	Color
Hex	596AC8
RGB	89, 106, 200
RGB Percent	35%, 42%, 78%
CMY	0.6510, 0.5843, 0.2157
CMYK	0.55, 0.47, 0.00, 0.22
HSL	231°, 50%, 57%
HSV	231°, 55%, 78%
XYZ	19.6992, 16.6020, 56.8098
YIQ	111.6330, -40.3060, 25.6300

Conversions

Conversions Part 2

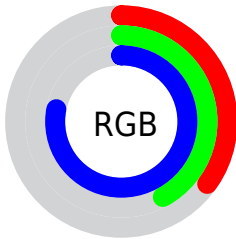
Format	Color
R_{YB}	89, 104, 200
Decimal	5860040
CIE _{Lab}	47.75, 21.09, -51.09
CIE _{LCh}	48, 55.271, 292.434
Yxy	16.6020, 0.2116, 0.1783
Android (android.graphics.Color)	4284050120 (0xFF596AC8)
YUV	111.6330, 43.5649, -19.8491
Hunter-Lab	40.7456, 14.9945, -54.1437

Details

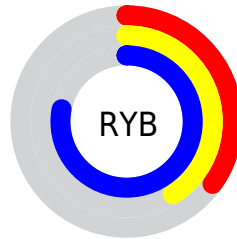
The XYZ color **19.6992, 16.6020, 56.8098** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted azure. A complement of this color would be **42.5577, 46.8701, 16.2563**, and the grayscale version is **15.1796, 15.9701, 17.3915**.

A 20% lighter version of the original color is **41.9610, 37.4449, 99.6238**, and **6.9633, 5.3210, 27.4481** is the 20% darker color. If you saturate the color by 10%, you get **16.4577, 12.5908, 56.2068**, and if you desaturate by 10%, it is **23.8082, 21.5724, 57.5530**.

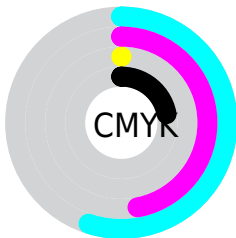
Distribution



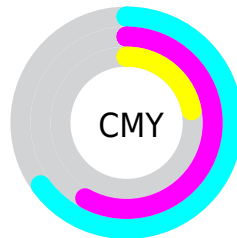
- Red (35%)
- Green (42%)
- Blue (78%)



- Red (35%)
- Yellow (41%)
- Blue (78%)



- Cyan (55%)
- Magenta (47%)
- Yellow (0%)
- Black (22%)



- Cyan (65%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6992, 16.6020, 56.8098 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 19.6992, 16.6020, 56.8098 by changing the saturation by 10% instead.

■ 19.6992, 16.6020,
56.8098

■ 19.6992, 16.6020,
56.8098

243.1467,
232.8683, 430.2100

■ 12.2836, 9.9511,
40.4442

■ 42.4201, 37.6402,
101.6852

■ 7.0107, 5.3666,
27.5686

■ 58.4561, 52.7963,
131.0321

■ 3.5152, 2.4639,
17.7645

■ 78.0962, 71.5563,
165.5431

■ 1.4317, 0.8585,
10.6134

■ 101.7059, 94.3046,
205.6369

■ 0.2786, 0.0000,
5.6966

129.6504,
121.4255, 251.7319

■ 0.0000, 0.0000,
2.5957

162.2951,

■ 0.0000, 0.0000,

153.3035, 304.2468

0.8902

200.0055,
190.3230, 363.5999

■ 0.0000, 0.0000,
0.0000

■ 19.6992, 16.6020,
56.8098

■ 19.6992, 16.6020,
56.8098

■ 16.4577, 12.5908,
56.2068

■ 23.8082, 21.5724,
57.5530

■ 14.0178, 9.4742,
55.7338

■ 28.8396, 27.5578,
58.4431

■ 12.3074, 7.1817,
55.3814

■ 34.8465, 34.6114,
59.4880

■ 11.2392, 5.6305,
55.1383

■ 41.8771, 42.7822,
60.6945

■ 10.9056, 5.1305,
55.0594

■ 49.9764, 52.1161,
62.0693

■ 59.1868, 62.6567,
63.6184

■ 69.5483, 74.4448,
65.3476

■ 81.0990, 87.5198,
67.2626

■ 87.4254, 96.9502,
68.7494

Harmonies

Analogous

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



14.5590, 16.6020, 60.8189



19.6992, 16.6020, 56.8098



24.5938, 16.6020, 40.3184

Triad

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



19.6992, 16.6020, 56.8098



22.3254, 16.6020, 3.9328



8.0981, 16.6020, 14.7189

Complementary

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



19.6992, 16.6020, 56.8098



42.5577, 46.8701, 16.2563

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.



9.3720, 16.6020, 6.0278



19.6992, 16.6020, 56.8098



17.0668, 16.6020, 2.2808

Square

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



19.6992, 16.6020, 56.8098



26.3178, 16.6020, 9.5398



12.4180, 16.6020, 2.7718



8.5138, 16.6020, 30.6072

Rectangle

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



19.6992, 16.6020, 56.8098



26.7087, 16.6020, 27.6183



12.4180, 16.6020, 2.7718



8.3318, 16.6020, 11.0329

Sweetspot

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



19.6999, 16.6025, 56.8102



70.2466, 71.4571, 104.6980



33.1669, 46.7898, 51.2696



14.4871, 14.6585, 22.3158



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.



19.6999, 16.6025, 56.8102



27.3290, 20.3305, 97.0915



22.6031, 15.7518, 56.4930



10.1856, 10.5453, 13.4161



6.9762, 3.3463, 35.0226



0.3732, 0.2442, 1.6726

Inverse Universe

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



29.9940, 20.4658, 16.0053



47.2533, 28.7565, 17.9004



37.5626, 49.8170, 17.0884



10.6990, 10.6630, 11.3981



15.3206, 7.8778, 1.6321



0.7471, 0.3817, 0.1913

Previews

White Background



This preview shows how the XYZ color 19.6992, 16.6020, 56.8098 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 19.6992, 16.6020, 56.8098 looks on a black 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

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

XYZ 19.6992, 16.6020, 56.8098

Background



This preview shows how black text looks on a background with the XYZ color 19.6992, 16.6020, 56.8098.



This preview shows how white text looks on a background with the XYZ color 19.6992, 16.6020,

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

19.6992, 16.6020, 56.8098

Protanopia

18.7898, 16.7048, 59.3608

Deuteranopia

17.1248, 16.5833, 55.7244



Tritanopia

13.2387, 16.6750, 24.3506

Trichromacy



Original Color

19.6992, 16.6020, 56.8098

Protanomaly

19.1498, 16.7449, 58.7227

Deuteranomaly

17.7382, 16.3919, 56.2619

Tritanomaly

15.0788, 16.3416, 34.2578

Monochromacy



Original Color

19.6992, 16.6020, 56.8098

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.3189, 16.1085, 28.6347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6992, 16.6020, 56.8098 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(89, 106, 200)` looks like.

```
.text, #text, p{  
    color:rgb(89, 106, 200)  
}
```

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(89, 106, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 106, 200) }
```

Border

The CSS property to change the border of an element to XYZ 19.6992, 16.6020, 56.8098 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(89, 106, 200) }
```


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

```
.border{ border-color:rgb(89, 106, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 106, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 106, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 106, 200);  
box-shadow:4px 4px 4px 4px rgb(89, 106,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6992, 16.6020, 56.8098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 106, 200) }
```

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

```
.background{ background-color: rgb(89, 106,  
200) }
```

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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