

Converting Colors

XYZ(20.6476, 16.4427, 63.4414)

Have a look what the booklet for
XYZ(20.6476, 16.4427, 63.4414)
contains.

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Color

**XYZ(20.7279, 16.5275,
63.7257)**

Conversions

Conversions Part 1

Format	Color
Hex	5967D3
RGB	89, 103, 211
RGB Percent	35%, 40%, 83%
CMY	0.6510, 0.5961, 0.1725
CMYK	0.58, 0.51, 0.00, 0.17
HSL	233°, 58%, 59%
HSV	233°, 58%, 83%
XYZ	20.7279, 16.5275, 63.7257
YIQ	111.1260, -43.0120, 30.6200

Conversions

Conversions Part 2

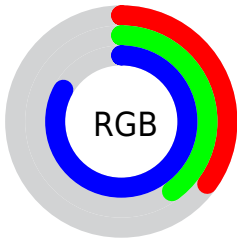
Format	Color
R_{YB}	89, 102, 211
Decimal	5859283
CIE _{Lab}	47.66, 26.57, -57.54
CIE _{LCh}	48, 63.375, 294.785
Yxy	16.5275, 0.2053, 0.1637
Android (android.graphics.Color)	4284049363 (0xFF5967D3)
YUV	111.1260, 49.2379, -19.4045
Hunter-Lab	40.6540, 19.8656, -64.4800

Details

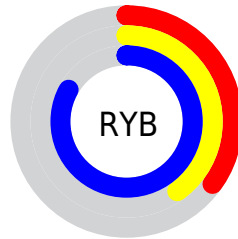
The XYZ color **20.7279, 16.5275, 63.7257** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **48.6349, 54.5051, 17.4096**, and the grayscale version is **15.0173, 15.7993, 17.2055**.

A 20% lighter version of the original color is **41.8183, 36.6271, 99.4734**, and **7.5891, 5.3911, 32.0931** is the 20% darker color. If you saturate the color by 10%, you get **17.3306, 12.3194, 63.0929**, and if you desaturate by 10%, it is **25.1219, 21.8657, 64.5249**.

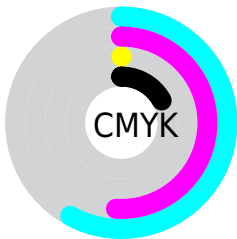
Distribution



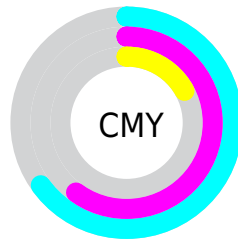
- Red (35%)
- Green (40%)
- Blue (83%)



- Red (35%)
- Yellow (40%)
- Blue (83%)



- Cyan (58%)
- Magenta (51%)
- Yellow (0%)
- Black (17%)



- Cyan (65%)
- Magenta (60%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7279, 16.5275, 63.7257 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 20.7279, 16.5275, 63.7257 by changing the saturation by 10% instead.

■ 20.7279, 16.5275,
63.7257

■ 20.7279, 16.5275,
63.7257

248.5880,
232.4346, 456.3787

■ 13.0366, 9.8982,
45.9838

■ 44.1289, 37.5116,
111.8115

■ 7.5309, 5.3315,
31.8844

■ 60.5694, 52.6351,
142.9924

■ 3.8455, 2.4431,
21.0092

■ 80.6569, 71.3589,
179.4901

■ 1.6151, 0.8479,
12.9394

■ 104.7568, 94.0673,
221.7231

■ 0.4022, 0.0000,
7.2566

133.2346,
121.1446, 270.1099

■ 0.0000, 0.0000,
3.5422

166.4554,

■ 0.0000, 0.0000,

152.9754, 325.0690

1.3777

204.7848,
189.9439, 387.0191

■ 0.0000, 0.0000,
0.1242

■ 0.0000, 0.0000,
0.0000

■ 20.7279, 16.5275,
63.7257

■ 20.7279, 16.5275,
63.7257

■ 17.3306, 12.3194,
63.0929

■ 25.1219, 21.8657,
64.5249

■ 14.8487, 9.1577,
62.6134

■ 30.5806, 28.4064,
65.4996

■ 13.1915, 6.9490,
62.2745

■ 37.1690, 36.2179,
66.6602

■ 12.2376, 5.5769,
62.0599

■ 44.9458, 45.3627,
68.0154

■ 12.0889, 5.3650,
62.0268

■ 53.9659, 55.8992,
69.5737

■ 64.2807, 67.8825,
71.3431

■ 75.9385, 81.3644,
73.3309

■ 87.9455, 95.8583,
75.4957

■ 88.7580, 97.4832,
75.7665

Harmonies

Analogous

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



14.7402, 16.5275, 70.3115



20.7279, 16.5275, 63.7257



26.3851, 16.5275, 42.6208

Triad

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



20.7279, 16.5275, 63.7257



22.8585, 16.5275, 2.6528



7.1714, 16.5275, 15.3083

Complementary

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



20.7279, 16.5275, 63.7257



48.6349, 54.5051, 17.4096

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.



8.3887, 16.5275, 5.3409



20.7279, 16.5275, 63.7257



16.7192, 16.5275, 1.3812

Square

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



20.7279, 16.5275, 63.7257



27.8079, 16.5275, 7.8357



11.5735, 16.5275, 1.9381



7.7542, 16.5275, 34.4820

Rectangle

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



20.7279, 16.5275, 63.7257



28.7266, 16.5275, 27.4791



11.5735, 16.5275, 1.9381



7.3727, 16.5275, 10.9917

Sweetspot

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



20.7286, 16.5280, 63.7261



69.8164, 70.5968, 104.5546



37.4662, 52.7335, 60.8879



14.3869, 14.4581, 22.2824



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.



20.7286, 16.5280, 63.7261



25.7628, 17.8528, 96.6958



25.4468, 17.0639, 63.5809



11.2714, 11.6330, 14.8950



7.3340, 3.3146, 37.4457



0.4476, 0.2603, 2.1062

Inverse Universe

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



32.8852, 21.9739, 15.3404



46.3030, 27.7645, 14.7822



40.4564, 55.2278, 17.9801



11.8631, 11.8300, 12.5549



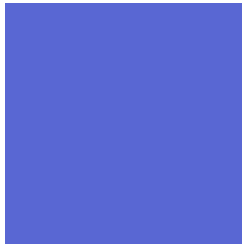
16.3326, 8.4059, 1.3916



0.9321, 0.4776, 0.1775

Previews

White Background



This preview shows how the XYZ color 20.7279, 16.5275, 63.7257 looks on a white background.

Color Contrast Check

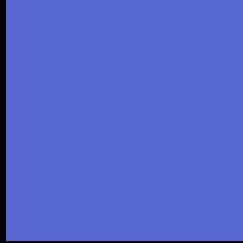
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7279, 16.5275, 63.7257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

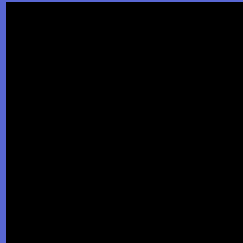
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7279, 16.5275, 63.7257

Background



This preview shows how black text looks on a background with the XYZ color 20.7279, 16.5275, 63.7257.



This preview shows how white text looks on a background with the XYZ color 20.7279, 16.5275,

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

20.7279, 16.5275, 63.7257

Protanopia

19.2596, 16.6000, 67.8347

Deuteranopia

16.7914, 16.5257, 58.1819



Tritanopia

12.8117, 16.4549, 24.3307

Trichromacy



Original Color

20.7279, 16.5275, 63.7257

Protanomaly

19.6378, 16.5117, 66.4420

Deuteranomaly

17.2995, 16.0837, 59.9503

Tritanomaly

15.0180, 16.0999, 36.0343

Monochromacy



Original Color

20.7279, 16.5275, 63.7257

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.2225, 15.7153, 29.7821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7279, 16.5275, 63.7257 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, 103, 211)` looks like.

```
.text, #text, p{  
    color:rgb(89, 103, 211)  
}
```

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, 103, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 103, 211) }
```

Border

The CSS property to change the border of an element to XYZ 20.7279, 16.5275, 63.7257 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, 103, 211) }
```


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

```
.border{ border-color:rgb(89, 103, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 103, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 103, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 103, 211);  
box-shadow:4px 4px 4px 4px rgb(89, 103,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7279, 16.5275, 63.7257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 103, 211) }
```

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

```
.background{ background-color: rgb(89, 103,  
211) }
```

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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