

Converting Colors

XYZ(20.8757, 17.3036, 63.2133)

Have a look what the booklet for
XYZ(20.8757, 17.3036, 63.2133)
contains.

XYZ(20.9259, 17.4045, 63.2293)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9259, 17.4045,
63.2293)**

Conversions

Conversions Part 1

Format	Color
Hex	576CD2
RGB	87, 108, 210
RGB Percent	34%, 42%, 82%
CMY	0.6588, 0.5765, 0.1765
CMYK	0.59, 0.49, 0.00, 0.18
HSL	230°, 58%, 58%
HSV	230°, 59%, 82%
XYZ	20.9259, 17.4045, 63.2293
YIQ	113.3490, -45.2580, 27.2700

Conversions

Conversions Part 2

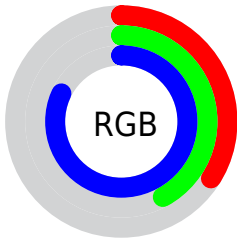
Format	Color
R _Y B	87, 105, 210
Decimal	5729490
CIE Lab	48.77, 22.75, -55.19
CIE LCh	49, 59.700, 292.403
Yxy	17.4045, 0.2060, 0.1714
Android (android.graphics.Color)	4283919570 (0xFF576CD2)
YUV	113.3490, 47.6489, -23.1081
Hunter-Lab	41.7187, 16.5270, -60.6575

Details

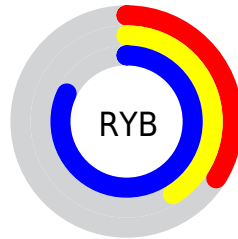
The XYZ color **20.9259, 17.4045, 63.2293** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **46.4979, 50.7877, 16.3704**, and the grayscale version is **15.6728, 16.4891, 17.9566**.

A 20% lighter version of the original color is **42.3022, 38.1273, 99.7375**, and **7.6477, 5.7363, 31.7145** is the 20% darker color. If you saturate the color by 10%, you get **17.5859, 13.2231, 62.5986**, and if you desaturate by 10%, it is **25.2045, 22.6146, 64.0098**.

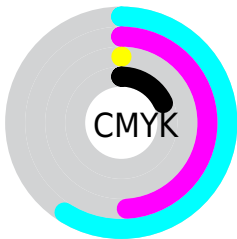
Distribution



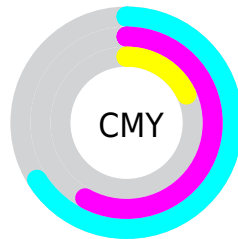
- Red (34%)
- Green (42%)
- Blue (82%)



- Red (34%)
- Yellow (41%)
- Blue (82%)



- Cyan (59%)
- Magenta (49%)
- Yellow (0%)
- Black (18%)



- Cyan (66%)
- Magenta (58%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9259, 17.4045, 63.2293 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 20.9259, 17.4045, 63.2293 by changing the saturation by 10% instead.

■ 20.9259, 17.4045,
63.2293

■ 20.9259, 17.4045,
63.2293

249.6236,
237.4927, 454.5320

■ 13.1820, 10.5233,
45.5845

■ 44.4564, 39.0200,
111.0890

■ 7.6319, 5.7473,
31.5718

■ 60.9737, 54.5230,
142.1411

■ 3.9101, 2.6920,
20.7725

■ 81.1462, 73.6688,
178.4993

■ 1.6514, 0.9731,
12.7682

■ 105.3392, 96.8417,
220.5822

■ 0.4256, 0.0000,
7.1403

133.9180,
124.4262, 268.8084

■ 0.0000, 0.0000,
3.4702

167.2482,

■ 0.0000, 0.0000,

156.8066, 323.5965

1.3395

205.6949,
194.3673, 385.3648

■ 0.0000, 0.0000,
0.0938

■ 0.0000, 0.0000,
0.0000

■ 20.9259, 17.4045,
63.2293

■ 20.9259, 17.4045,
63.2293

■ 17.5859, 13.2231,
62.5986

■ 25.2045, 22.6146,
64.0098

■ 15.1091, 9.9987,
62.1068

■ 30.4844, 28.9153,
64.9477

■ 13.4121, 7.6521,
61.7433

■ 36.8255, 36.3652,
66.0515

■ 12.3746, 6.0806,
61.4947

■ 44.2823, 45.0185,
67.3287

■ 12.2592, 5.9057,
61.4670

■ 52.9054, 54.9257,
68.7865

■ 62.7425, 66.1344,
70.4315

■ 73.8383, 78.6897,
72.2701

■ 86.2330, 92.6332,
74.3082

■ 88.6329, 97.4332,
75.1082

Harmonies

Analogous

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



15.1787, 17.4045, 67.8648



20.9259, 17.4045, 63.2293



26.4566, 17.4045, 44.2007

Triad

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



20.9259, 17.4045, 63.2293



23.8990, 17.4045, 3.6290



8.0950, 17.4045, 15.2096

Complementary

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



20.9259, 17.4045, 63.2293



46.4979, 50.7877, 16.3704

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.



9.4779, 17.4045, 5.7977



20.9259, 17.4045, 63.2293



17.9856, 17.4045, 1.9683

Square

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



20.9259, 17.4045, 63.2293



28.4222, 17.4045, 9.5665



12.8183, 17.4045, 2.4510



8.5426, 17.4045, 33.0553

Rectangle

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



20.9259, 17.4045, 63.2293



28.8611, 17.4045, 29.7046



12.8183, 17.4045, 2.4510



8.3482, 17.4045, 11.1669

Sweetspot

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



20.9267, 17.4050, 63.2298



69.1689, 70.3821, 104.5473



35.9959, 51.7273, 55.3548



14.0326, 14.1721, 22.2458



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.



20.9267, 17.4050, 63.2298



26.3249, 19.2861, 96.9429



23.6391, 15.9027, 62.7968



11.3245, 11.7392, 14.9127



7.5286, 3.7038, 37.5106



0.4723, 0.3099, 2.1145

Inverse Universe

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



32.6941, 21.6019, 16.6340



46.5113, 27.5589, 16.7695



41.5733, 55.4455, 17.5291



11.8899, 11.8407, 12.6961



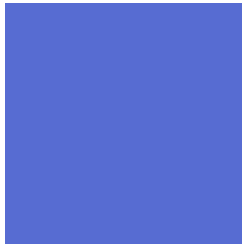
16.4308, 8.4452, 1.9089



0.9447, 0.4826, 0.2433

Previews

White Background



This preview shows how the XYZ color 20.9259, 17.4045, 63.2293 looks on a white background.

Color Contrast Check

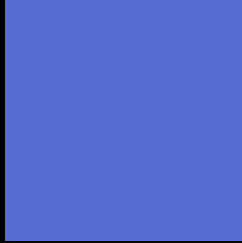
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9259, 17.4045, 63.2293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

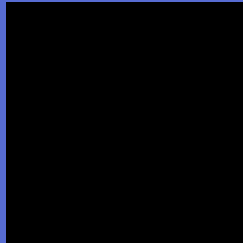
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9259, 17.4045, 63.2293

Background



This preview shows how black text looks on a background with the XYZ color 20.9259, 17.4045, 63.2293.



This preview shows how white text looks on a background with the XYZ color 20.9259, 17.4045,

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

20.9259, 17.4045, 63.2293

Protanopia

19.9184, 17.4675, 65.9401

Deuteranopia

17.9435, 17.3782, 62.0831



Tritanopia

13.4803, 17.5115, 25.9621

Trichromacy



Original Color

20.9259, 17.4045, 63.2293

Protanomaly

20.2932, 17.5126, 65.2615

Deuteranomaly

18.4404, 17.1095, 62.6521

Tritanomaly

15.5224, 17.0313, 37.1196

Monochromacy



Original Color

20.9259, 17.4045, 63.2293

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.7387, 16.4501, 30.3099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9259, 17.4045, 63.2293 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(87, 108, 210)` looks like.

```
.text, #text, p{  
    color:rgb(87, 108, 210)  
}
```

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(87, 108, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 108, 210) }
```

Border

The CSS property to change the border of an element to XYZ 20.9259, 17.4045, 63.2293 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(87, 108, 210) }
```


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

```
.border{ border-color:rgb(87, 108, 210) }
```

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

Here you see how a box with a 4 pixel rgb(87, 108, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 108, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 108, 210);  
box-shadow:4px 4px 4px 4px rgb(87, 108,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9259, 17.4045, 63.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 108, 210) }
```

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

```
.background{ background-color: rgb(87, 108,  
210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor