

Converting Colors

XYZ(20.6377, 17.4866, 58.1653)

Have a look what the booklet for
XYZ(20.6377, 17.4866, 58.1653)
contains.

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Color

**XYZ(20.6435, 17.5287,
58.1725)**

Conversions

Conversions Part 1

Format	Color
Hex	5D6DCA
RGB	93, 109, 202
RGB Percent	36%, 43%, 79%
CMY	0.6353, 0.5725, 0.2078
CMYK	0.54, 0.46, 0.00, 0.21
HSL	231°, 51%, 58%
HSV	231°, 54%, 79%
XYZ	20.6435, 17.5287, 58.1725
YIQ	114.8180, -39.3890, 25.5310

Conversions

Conversions Part 2

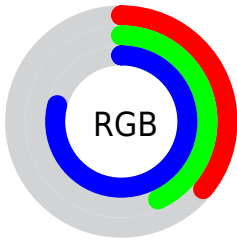
Format	Color
R_{YB}	93, 107, 202
Decimal	6122954
CIE _{Lab}	48.92, 20.73, -50.36
CIE _{LCh}	49, 54.455, 292.371
Yxy	17.5287, 0.2143, 0.1819
Android (android.graphics.Color)	4284313034 (0xFF5D6DCA)
YUV	114.8180, 42.9807, -19.1344
Hunter-Lab	41.8673, 14.7452, -53.0734

Details

The XYZ color **20.6435, 17.5287, 58.1725** 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 **43.8931, 48.4667, 17.3987**, and the grayscale version is **16.1239, 16.9636, 18.4734**.

A 20% lighter version of the original color is **43.1985, 38.8456, 99.8289**, and **7.4680, 5.7987, 28.3294** is the 20% darker color. If you saturate the color by 10%, you get **17.2005, 13.2869, 57.5356**, and if you desaturate by 10%, it is **24.9884, 22.7710, 58.9557**.

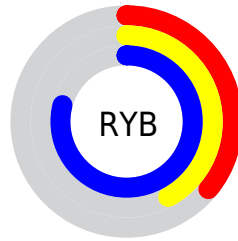
Distribution



Red (36%)

Green (43%)

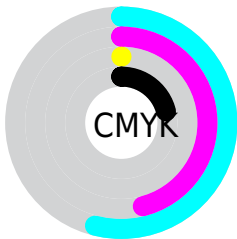
Blue (79%)



Red (36%)

Yellow (42%)

Blue (79%)

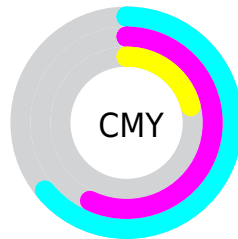


Cyan (54%)

Magenta (46%)

Yellow (0%)

Black (21%)



Cyan (64%)

Magenta (57%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6435, 17.5287, 58.1725 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 20.6435, 17.5287, 58.1725 by changing the saturation by 10% instead.

■ 20.6435, 17.5287,
58.1725

■ 20.6435, 17.5287,
58.1725

248.1455,
238.2010, 435.4446

■ 12.9746, 10.6122,
41.5317

■ 43.9892, 39.2326,
103.6913

■ 7.4880, 5.8067,
28.4120

■ 60.3968, 54.7887,
133.4064

■ 3.8181, 2.7279,
18.3947

■ 80.4480, 73.9935,
168.3166

■ 1.5998, 0.9914,
11.0614

■ 104.5081, 97.2313,
208.8406

■ 0.3923, 0.0000,
5.9934

132.9426,
124.8866, 255.3969

■ 0.0000, 0.0000,
2.7724

166.1167,

■ 0.0000, 0.0000,

157.3437, 308.4039

0.9796

204.3959,
194.9870, 368.2803

■ 0.0000, 0.0000,
0.0000

■ 20.6435, 17.5287,
58.1725

■ 20.6435, 17.5287,
58.1725

■ 17.2005, 13.2869,
57.5356

■ 24.9884, 22.7710,
58.9557

■ 14.5926, 9.9792,
57.0346

■ 30.2912, 29.0709,
59.8923

■ 12.7468, 7.5334,
56.6598

■ 36.6060, 36.4834,
60.9902

■ 11.5760, 5.8655,
56.3996

■ 43.9821, 45.0588,
62.2566

■ 11.1161, 5.1750,
56.2905

■ 52.4654, 54.8447,
63.6984

■ 62.0995, 65.8857,
65.3217

■ 72.9251, 78.2243,
67.1328

■ 84.9814, 91.9009,
69.1372

■ 87.6607, 97.0443,
69.9887

Harmonies

Analogous

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



15.4024, 17.5287, 62.1489



20.6435, 17.5287, 58.1725



25.6121, 17.5287, 41.6451

Triad

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



20.6435, 17.5287, 58.1725



23.3325, 17.5287, 4.4328



8.7599, 17.5287, 15.6215

Complementary

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



20.6435, 17.5287, 58.1725



43.8931, 48.4667, 17.3987

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.



10.0835, 17.5287, 6.6300



20.6435, 17.5287, 58.1725



17.9854, 17.5287, 2.6496

Square

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



20.6435, 17.5287, 58.1725



27.3708, 17.5287, 10.3255



13.2259, 17.5287, 3.1772



9.1875, 17.5287, 31.7725

Rectangle

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



20.6435, 17.5287, 58.1725



27.7558, 17.5287, 28.8259



13.2259, 17.5287, 3.1772



9.0036, 17.5287, 11.8315

Sweetspot

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



20.6442, 17.5293, 58.1729



71.4825, 72.8313, 104.8981



34.4613, 48.0991, 53.7280



14.7286, 14.9253, 22.3545



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.



20.6442, 17.5293, 58.1729



28.1634, 21.2953, 97.2338



23.9594, 16.9314, 57.8828



10.7324, 11.1053, 14.1482



7.1934, 3.4108, 36.2355



0.4148, 0.2634, 1.8839

Inverse Universe

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



31.0325, 21.4904, 16.9808



47.8464, 29.6517, 18.9948



38.3760, 50.9086, 18.1608



11.2783, 11.2401, 12.0001



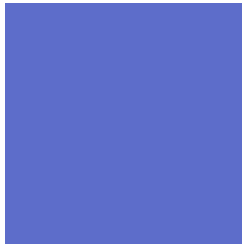
15.8418, 8.1473, 1.6197



0.8393, 0.4291, 0.1998

Previews

White Background



This preview shows how the XYZ color 20.6435, 17.5287, 58.1725 looks on a white background.

Color Contrast Check

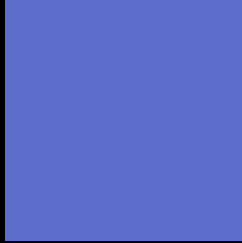
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6435, 17.5287, 58.1725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

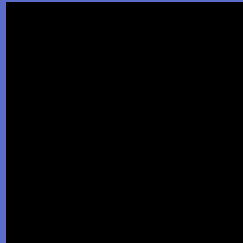
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6435, 17.5287, 58.1725

Background



This preview shows how black text looks on a background with the XYZ color 20.6435, 17.5287, 58.1725.



This preview shows how white text looks on a background with the XYZ color 20.6435, 17.5287,

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

20.6435, 17.5287, 58.1725

Protanopia

19.7182, 17.6442, 60.7589

Deuteranopia

18.1020, 17.5708, 57.0810



Tritanopia

13.9650, 17.4017, 25.1771

Trichromacy



Original Color

20.6435, 17.5287, 58.1725

Protanomaly

20.1219, 17.7016, 60.1138

Deuteranomaly

18.8067, 17.4099, 57.6276

Tritanomaly

15.9967, 17.3166, 35.3002

Monochromacy



Original Color

20.6435, 17.5287, 58.1725

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.2350, 17.0426, 29.9849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6435, 17.5287, 58.1725 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(93, 109, 202)` looks like.

```
.text, #text, p{  
    color:rgb(93, 109, 202)  
}
```

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(93, 109, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 109, 202) }
```

Border

The CSS property to change the border of an element to XYZ 20.6435, 17.5287, 58.1725 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(93, 109, 202) }
```


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

```
.border{ border-color:rgb(93, 109, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 109, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 109, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 109, 202);  
box-shadow:4px 4px 4px 4px rgb(93, 109,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6435, 17.5287, 58.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 109, 202) }
```

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

```
.background{ background-color: rgb(93, 109,  
202) }
```

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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