

Converting Colors

XYZ(17.7401, 15.6206, 49.0942)

Have a look what the booklet for
XYZ(17.7401, 15.6206, 49.0942)
contains.

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Color

**XYZ(17.7675, 15.6223,
49.0927)**

Conversions

Conversions Part 1

Format	Color
Hex	5569BB
RGB	85, 105, 187
RGB Percent	33%, 41%, 73%
CMY	0.6666, 0.5882, 0.2667
CMYK	0.55, 0.44, 0.00, 0.27
HSL	228°, 43%, 53%
HSV	228°, 55%, 73%
XYZ	17.7675, 15.6223, 49.0927
YIQ	108.3680, -38.2420, 21.2620

Conversions

Conversions Part 2

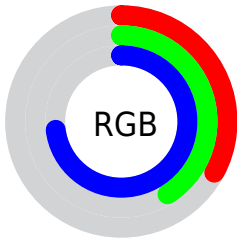
Format	Color
R _Y B	85, 102, 187
Decimal	5597627
CIE Lab	46.48, 16.60, -45.65
CIE LCh	46, 48.571, 289.986
Yxy	15.6223, 0.2154, 0.1894
Android (android.graphics.Color)	4283787707 (0xFF5569BB)
YUV	108.3680, 38.7656, -20.4937
Hunter-Lab	39.5251, 11.0714, -45.9745

Details

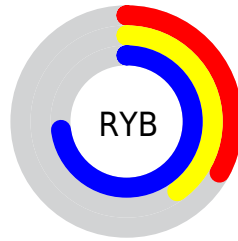
The XYZ color **17.7675, 15.6223, 49.0927** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **35.9529, 38.8596, 14.2010**, and the grayscale version is **14.2599, 15.0025, 16.3378**.

A 20% lighter version of the original color is **39.2021, 35.9713, 90.4649**, and **6.0153, 4.8580, 22.8110** is the 20% darker color. If you saturate the color by 10%, you get **14.8905, 12.0636, 48.5578**, and if you desaturate by 10%, it is **21.3651, 19.9547, 49.7397**.

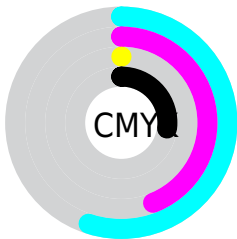
Distribution



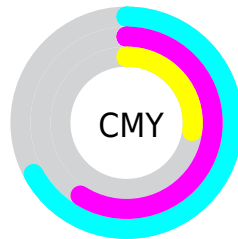
- Red (33%)
- Green (41%)
- Blue (73%)



- Red (33%)
- Yellow (40%)
- Blue (73%)



- Cyan (55%)
- Magenta (44%)
- Yellow (0%)
- Black (27%)



- Cyan (67%)
- Magenta (59%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7675, 15.6223, 49.0927 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 17.7675, 15.6223, 49.0927 by changing the saturation by 10% instead.

■ 17.7675, 15.6223,
49.0927

■ 17.7675, 15.6223,
49.0927

232.6283,
227.1026, 399.7401

■ 10.8819, 9.2573,
34.3269

■ 39.1739, 35.9412,
90.2115

■ 6.0542, 4.9094,
22.8655

■ 54.4255, 50.6640,
117.4016

■ 2.9190, 2.1942,
14.2898

■ 73.1963, 68.9414,
149.5703

■ 1.1111, 0.7168,
8.1815

■ 95.8519, 91.1579,
187.1360

■ 0.0344, 0.0000,
4.1219

122.7575,
117.6978, 230.5172

■ 0.0000, 0.0000,
1.6924

154.2786,

■ 0.0000, 0.0000,

148.9457, 280.1327

0.3555

190.7804,
185.2858, 336.4008

■ 0.0000, 0.0000,
0.0000

■ 17.7675, 15.6223,
49.0927

■ 17.7675, 15.6223,
49.0927

■ 14.8905, 12.0636,
48.5578

■ 21.3651, 19.9547,
49.7397

■ 12.6816, 9.2299,
48.1272

■ 25.7268, 25.1023,
50.5033

■ 11.0843, 7.0689,
47.7943

■ 30.8948, 31.1053,
51.3897

■ 10.0307, 5.5203,
47.5509

■ 36.9077, 38.0009,
52.4037

■ 9.6208, 4.8901,
47.4509

■ 43.8015, 45.8240,
53.5504

■ 51.6102, 54.6077,
54.8343

■ 60.3659, 64.3831,
56.2596

■ 70.0991, 75.1804,
57.8307

■ 80.8390, 87.0281,
59.5515

Harmonies

Analogous

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



13.4948, 15.6223, 51.2214



17.7675, 15.6223, 49.0927



21.8914, 15.6223, 36.5090

Triad

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



17.7675, 15.6223, 49.0927



20.6368, 15.6223, 4.7722



8.2585, 15.6223, 13.3144

Complementary

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



17.7675, 15.6223, 49.0927



35.9529, 38.8596, 14.2010

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.



9.5058, 15.6223, 6.0900



17.7675, 15.6223, 49.0927



16.2899, 15.6223, 2.9229

Square

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



17.7675, 15.6223, 49.0927



23.7514, 15.6223, 10.2950



12.2682, 15.6223, 3.2547



8.5054, 15.6223, 26.1494

Rectangle

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



17.7675, 15.6223, 49.0927



23.7496, 15.6223, 26.1630



12.2682, 15.6223, 3.2547



8.5063, 15.6223, 10.2877

Sweetspot

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



17.7681, 15.6228, 49.0931



64.1433, 65.8241, 93.5260



28.4554, 40.2477, 42.6351



13.6196, 13.9169, 20.5110



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.7681, 15.6228, 49.0931



25.9978, 20.7595, 86.8382



19.3684, 13.7714, 48.6514



9.1639, 9.5201, 12.0268



6.6701, 3.4519, 32.7076



0.3072, 0.2271, 1.2965

Inverse Universe

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



26.2924, 18.0825, 15.4695



43.0682, 26.6381, 19.2909



33.1985, 43.3049, 15.2042



9.6046, 9.5661, 10.3068



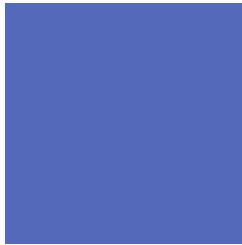
14.3675, 7.3782, 1.9630



0.5860, 0.2983, 0.1990

Previews

White Background



This preview shows how the XYZ color 17.7675, 15.6223, 49.0927 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 17.7675, 15.6223, 49.0927 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 17.7675, 15.6223, 49.0927

Background



This preview shows how black text looks on a background with the XYZ color 17.7675, 15.6223, 49.0927.

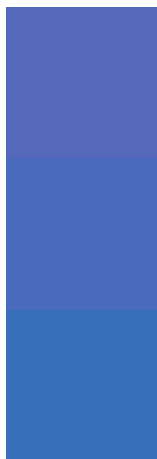


This preview shows how white text looks on a background with the XYZ color 17.7675, 15.6223,

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

17.7675, 15.6223, 49.0927

Protanopia

17.2670, 15.6454, 50.2539

Deuteranopia

16.1783, 15.7548, 48.6427



Tritanopia

12.4891, 15.6054, 22.7760

Trichromacy



Original Color

17.7675, 15.6223, 49.0927

Protanomaly

17.3730, 15.5586, 49.6644

Deuteranomaly

16.6463, 15.6757, 48.6027

Tritanomaly

14.0024, 15.3579, 30.6601

Monochromacy



Original Color

17.7675, 15.6223, 49.0927

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.0286, 15.0309, 25.7761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7675, 15.6223, 49.0927 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(85, 105, 187)` looks like.

```
.text, #text, p{  
    color:rgb(85, 105, 187)  
}
```

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(85, 105, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 105, 187) }
```

Border

The CSS property to change the border of an element to XYZ 17.7675, 15.6223, 49.0927 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(85, 105, 187) }
```


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

```
.border{ border-color:rgb(85, 105, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 105, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 105, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 105, 187);  
box-shadow:4px 4px 4px 4px rgb(85, 105,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7675, 15.6223, 49.0927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 105, 187) }
```

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

```
.background{ background-color: rgb(85, 105,  
187) }
```

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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