

Converting Colors

XYZ(17.2313, 19.9174, 46.6531)

Have a look what the booklet for
XYZ(17.2313, 19.9174, 46.6531)
contains.

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Color

**XYZ(17.2561, 19.9809,
46.6633)**

Conversions

Conversions Part 1

Format	Color
Hex	2683B5
RGB	38, 131, 181
RGB Percent	15%, 51%, 71%
CMY	0.8509, 0.4863, 0.2902
CMYK	0.79, 0.28, 0.00, 0.29
HSL	201°, 65%, 43%
HSV	201°, 79%, 71%
XYZ	17.2561, 19.9809, 46.6633
YIQ	108.8930, -71.4780, -4.1660

Conversions

Conversions Part 2

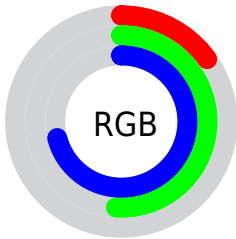
Format	Color
R_{YB}	38, 94, 181
Decimal	2524085
CIE _{Lab}	51.82, -9.19, -33.87
CIE _{LCh}	52, 35.089, 254.820
Yxy	19.9809, 0.2057, 0.2382
Android (android.graphics.Color)	4280714165 (0xFF2683B5)
YUV	108.8930, 35.5488, -62.1732
Hunter-Lab	44.7000, -9.3164, -30.6041

Details

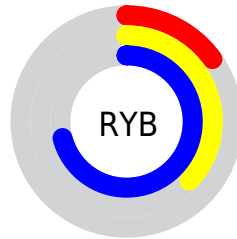
The XYZ color **17.2561, 19.9809, 46.6633** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.8968, 16.9448, 3.8985**, and the grayscale version is **14.4237, 15.1748, 16.5254**.

A 20% lighter version of the original color is **38.3704, 43.4596, 86.4870**, and **6.9136, 7.5931, 21.5233** is the 20% darker color. If you saturate the color by 10%, you get **15.9195, 18.0685, 46.3650**, and if you desaturate by 10%, it is **18.9704, 22.1657, 46.9951**.

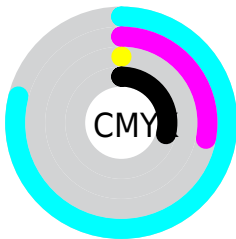
Distribution



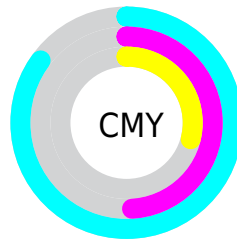
- Red (15%)
- Green (51%)
- Blue (71%)



- Red (15%)
- Yellow (37%)
- Blue (71%)



- Cyan (79%)
- Magenta (28%)
- Yellow (0%)
- Black (29%)



- Cyan (85%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2561, 19.9809, 46.6633 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 17.2561, 19.9809, 46.6633 by changing the saturation by 10% instead.

■ 17.2561, 19.9809,
46.6633

■ 17.2561, 19.9809,
46.6633

229.7715,
251.8117, 389.8237

■ 10.5137, 12.3812,
32.4171

■ 38.3057, 43.3852,
86.5555

■ 5.8057, 7.0038,
21.4128

■ 53.3436, 59.9585,
113.0387

■ 2.7668, 3.4645,
13.2319

■ 71.8773, 80.2918,
144.4379

■ 1.0317, 1.3788,
7.4559

■ 94.2723, 104.7694,
181.1717

■ 0.0000, 0.2010,
3.6660

■ 120.8938,
133.7759, 223.6586

■ 0.0000, 0.0000,
1.4440

152.1073,

■ 0.0000, 0.0000,

167.6954, 272.3172

0.1757

188.2781,
206.9126, 327.5661

■ 0.0000, 0.0000,
0.0000

■ 17.2561, 19.9809,
46.6633

■ 17.2561, 19.9809,
46.6633

■ 15.9195, 18.0685,
46.3650

■ 18.9704, 22.1657,
46.9951

■ 14.8822, 16.3859,
46.0949

■ 21.1027, 24.6441,
47.3611

■ 14.7850, 16.2251,
46.0690

■ 23.6899, 27.4367,
47.7637

■ 26.7641, 30.5614,
48.2048

■ 30.3542, 34.0343,
48.6859

■ 34.4870, 37.8703,
49.2085

■ 39.1869, 42.0833,
49.7740

■ 44.4771, 46.6864,
50.3837

■ 50.3793, 51.6919,
51.0388

Harmonies

Analogous

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



14.5414, 19.9809, 38.6891



17.2561, 19.9809, 46.6633



20.7949, 19.9809, 46.7162

Triad

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



17.2561, 19.9809, 46.6633



26.4000, 19.9809, 17.1204



14.5668, 19.9809, 10.6099

Complementary

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



17.2561, 19.9809, 46.6633



22.8968, 16.9448, 3.8985

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.



17.2950, 19.9809, 7.7826



17.2561, 19.9809, 46.6633



24.2673, 19.9809, 10.6638

Square

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



17.2561, 19.9809, 46.6633



26.3861, 19.9809, 27.2983



20.8390, 19.9809, 7.7987



13.1258, 19.9809, 17.0194

Rectangle

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



17.2561, 19.9809, 46.6633



23.1703, 19.9809, 42.1228



20.8390, 19.9809, 7.7987



15.3476, 19.9809, 9.3121

Sweetspot

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



17.2568, 19.9816, 46.6638



57.6439, 64.0314, 87.6157



18.9903, 34.1270, 14.3216



11.9138, 13.3293, 18.8671



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



17.2568, 19.9816, 46.6638



27.0867, 30.0536, 82.6679



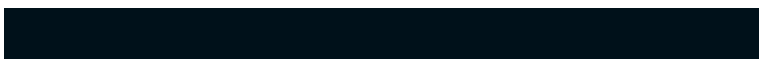
10.8543, 7.1766, 44.5296



8.4876, 9.1214, 10.8196



10.2592, 11.3188, 31.7810



0.3750, 0.4605, 1.0174

Inverse Universe

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



23.8465, 12.8495, 22.6967



40.3149, 20.2737, 33.5391



31.4919, 34.1351, 6.7635



8.7213, 8.5952, 10.0308



15.4130, 7.6828, 12.6009



0.5113, 0.2523, 0.5351

Previews

White Background



This preview shows how the XYZ color 17.2561, 19.9809, 46.6633 looks on a white 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

Black Background



This preview shows how the XYZ color 17.2561, 19.9809, 46.6633 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 17.2561, 19.9809, 46.6633

Background



This preview shows how black text looks on a background with the XYZ color 17.2561, 19.9809, 46.6633.

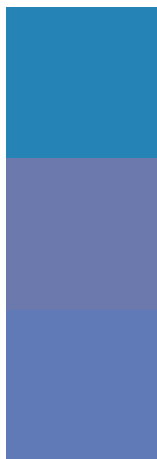


This preview shows how white text looks on a background with the XYZ color 17.2561, 19.9809,

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

17.2561, 19.9809, 46.6633

Protanopia

20.4436, 19.8177, 42.2829

Deuteranopia

20.3306, 19.8248, 47.5548



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

17.2561, 19.9809, 46.6633

Protanomaly

18.6498, 19.5957, 43.8737

Deuteranomaly

18.6788, 19.5405, 47.0432

Tritanomaly

15.1031, 19.9245, 35.8507

Monochromacy



Original Color

17.2561, 19.9809, 46.6633

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.3017, 16.3108, 25.3162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2561, 19.9809, 46.6633 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(38, 131, 181)` looks like.

```
.text, #text, p{  
    color:rgb(38, 131, 181)  
}
```

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(38, 131, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 131, 181) }
```

Border

The CSS property to change the border of an element to XYZ 17.2561, 19.9809, 46.6633 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(38, 131, 181) }
```


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

```
.border{ border-color:rgb(38, 131, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 131, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 131, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 131, 181);  
box-shadow:4px 4px 4px 4px rgb(38, 131,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2561, 19.9809, 46.6633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 131, 181) }
```

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

```
.background{ background-color: rgb(38, 131,  
181) }
```

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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