

Converting Colors

XYZ(19.7689, 18.6661, 36.1176)

Have a look what the booklet for
XYZ(19.7689, 18.6661, 36.1176)
contains.

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Color

**XYZ(19.8809, 18.7770,
36.2947)**

Conversions

Conversions Part 1

Format	Color
Hex	7474A1
RGB	116, 116, 161
RGB Percent	45%, 45%, 63%
CMY	0.5451, 0.5451, 0.3686
CMYK	0.28, 0.28, 0.00, 0.37
HSL	240°, 19%, 54%
HSV	240°, 28%, 63%
XYZ	19.8809, 18.7770, 36.2947
YIQ	121.1300, -14.4450, 13.9950

Conversions

Conversions Part 2

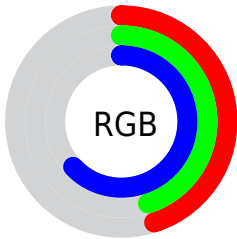
Format	Color
R_{YB}	116, 116, 161
Decimal	7632033
CIE _{Lab}	50.43, 10.49, -24.15
CIE _{LCh}	50, 26.326, 293.477
Yxy	18.7770, 0.2652, 0.2505
Android (android.graphics.Color)	4285822113 (0xFF7474A1)
YUV	121.1300, 19.6559, -4.4990
Hunter-Lab	43.3324, 6.0639, -19.3278

Details

The XYZ color **19.8809, 18.7770, 36.2947** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.5956, 34.3281, 21.5371**, and the grayscale version is **18.1583, 19.1039, 20.8042**.

A 20% lighter version of the original color is **42.7595, 41.3981, 70.7027**, and **7.0742, 6.3966, 15.3298** is the 20% darker color. If you saturate the color by 10%, you get **16.2256, 14.3726, 35.6375**, and if you desaturate by 10%, it is **24.2300, 24.0174, 37.0773**.

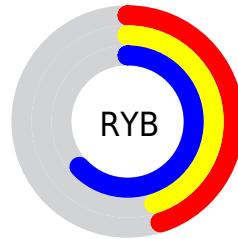
Distribution



Red (45%)

Green (45%)

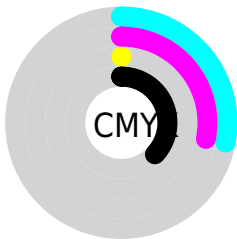
Blue (63%)



Red (45%)

Yellow (45%)

Blue (63%)

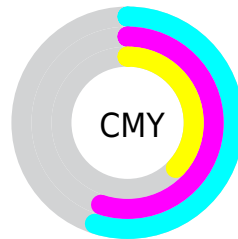


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (37%)



Cyan (55%)

Magenta (55%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8809, 18.7770, 36.2947 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 19.8809, 18.7770, 36.2947 by changing the saturation by 10% instead.

■ 19.8809, 18.7770,
36.2947

■ 19.8809, 18.7770,
36.2947

244.1155,
245.2149, 345.3231

■ 12.4163, 11.5093,
24.3704

■ 42.7229, 41.3569,
70.6608

■ 7.1020, 6.4105,
15.3939

■ 58.8309, 57.4379,
93.9398

■ 3.5729, 3.0962,
8.9466

■ 78.5508, 77.2254,
121.8406

■ 1.4635, 1.1822,
4.6100

■ 102.2479,
101.1039, 154.7820

■ 0.3008, 0.0471,
1.9656

130.2876,
129.4577, 193.1824

■ 0.0000, 0.0000,
0.5340

163.0352,

■ 0.0000, 0.0000,

162.6712, 237.4603

0.0000

200.8560,
201.1288, 288.0344

■ 19.8809, 18.7770,
36.2947

■ 19.8809, 18.7770,
36.2947

■ 16.2256, 14.3726,
35.6375

■ 24.2300, 24.0174,
37.0773

■ 13.2266, 10.7589,
35.0981

■ 29.3042, 30.1314,
37.9900

■ 10.8454, 7.8898,
34.6698

■ 35.1351, 37.1573,
39.0388

■ 9.0392, 5.7134,
34.3449

■ 41.7520, 45.1302,
40.2290

■ 7.7593, 4.1712,
34.1147

■ 49.1825, 54.0835,
41.5655

■ 6.9493, 3.1952,
33.9690

■ 57.4530, 64.0489,
43.0531

■ 6.5103, 2.6662,
33.8900

■ 66.5886, 75.0567,
44.6963

■ 6.4331, 2.5732,
33.8762

■ 76.6133, 87.1358,
46.4995

■ 83.4331, 95.3532,
47.7262

Harmonies

Analogous

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



17.2936, 18.7770, 37.8950



19.8809, 18.7770, 36.2947



22.1026, 18.7770, 30.0359

Triad

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



19.8809, 18.7770, 36.2947



20.9400, 18.7770, 11.0790



13.3891, 18.7770, 18.8848

Complementary

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



19.8809, 18.7770, 36.2947



30.5956, 34.3281, 21.5371

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.



14.1760, 18.7770, 13.1497



19.8809, 18.7770, 36.2947



18.4121, 18.7770, 9.3929

Square

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



19.8809, 18.7770, 36.2947



22.7538, 18.7770, 15.3269



15.9567, 18.7770, 10.0482



13.7017, 18.7770, 26.5918

Rectangle

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



19.8809, 18.7770, 36.2947



22.9948, 18.7770, 24.7224



15.9567, 18.7770, 10.0482



13.5312, 18.7770, 16.6917

Sweetspot

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



19.8815, 18.7777, 36.2951



52.2850, 53.7264, 68.0010



26.3149, 31.7500, 38.1142



11.1637, 11.4177, 14.8591



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.8815, 18.7777, 36.2951



31.0926, 28.1909, 64.1892



23.1189, 20.4467, 36.4466



6.7005, 6.8600, 8.8740



5.1379, 2.0552, 27.0557



0.1080, 0.0432, 0.5685

Inverse Universe

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



24.0963, 21.3295, 19.3707



40.0000, 33.5837, 28.4211



26.5870, 32.2616, 21.3496



7.0738, 7.0860, 7.3750



11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0115

Previews

White Background



This preview shows how the XYZ color 19.8809, 18.7770, 36.2947 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 19.8809, 18.7770, 36.2947 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 19.8809, 18.7770, 36.2947

Background



This preview shows how black text looks on a background with the XYZ color 19.8809, 18.7770, 36.2947.



This preview shows how white text looks on a background with the XYZ color 19.8809, 18.7770,

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

19.8809, 18.7770, 36.2947

Protanopia

19.1527, 18.7270, 37.2555

Deuteranopia

19.2181, 18.7813, 36.3305



Tritanopia

17.4867, 18.8728, 24.1939

Trichromacy



Original Color

19.8809, 18.7770, 36.2947

Protanomaly

19.3133, 18.6462, 36.7636

Deuteranomaly

19.4764, 18.7405, 36.3090

Tritanomaly

18.2810, 18.8307, 28.2624

Monochromacy



Original Color

19.8809, 18.7770, 36.2947

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6485, 18.8932, 25.9564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8809, 18.7770, 36.2947 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(116, 116, 161)` looks like.

```
.text, #text, p{  
    color:rgb(116, 116, 161)  
}
```

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(116, 116, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 116, 161) }
```

Border

The CSS property to change the border of an element to XYZ 19.8809, 18.7770, 36.2947 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(116, 116, 161) }
```


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

```
.border{ border-color:rgb(116, 116, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 116, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 116, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 116, 161);  
box-shadow:4px 4px 4px 4px rgb(116, 116,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8809, 18.7770, 36.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 116, 161) }
```

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

```
.background{ background-color: rgb(116,  
116, 161) }
```

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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