

Converting Colors

XYZ(19.4436, 18.2764, 35.3020)

Have a look what the booklet for
XYZ(19.4436, 18.2764, 35.3020)
contains.

XYZ(19.4778, 18.2508, 35.2971)	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(19.4778, 18.2508,
35.2971)**

Conversions

Conversions Part 1

Format	Color
Hex	74729F
RGB	116, 114, 159
RGB Percent	45%, 45%, 62%
CMY	0.5451, 0.5529, 0.3765
CMYK	0.27, 0.28, 0.00, 0.38
HSL	243°, 19%, 54%
HSV	243°, 28%, 62%
XYZ	19.4778, 18.2508, 35.2971
YIQ	119.7280, -13.2530, 14.4190

Conversions

Conversions Part 2

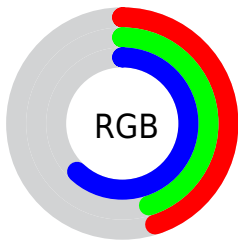
Format	Color
R_{YB}	116, 114, 159
Decimal	7631519
CIE _{Lab}	49.80, 11.17, -23.94
CIE _{LCh}	50, 26.420, 295.005
Yxy	18.2508, 0.2667, 0.2499
Android (android.graphics.Color)	4285821599 (0xFF74729F)
YUV	119.7280, 19.3611, -3.2695
Hunter-Lab	42.7210, 6.6220, -19.0822

Details

The XYZ color **19.4778, 18.2508, 35.2971** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.3404, 33.1797, 20.7782**, and the grayscale version is **17.7095, 18.6318, 20.2900**.

A 20% lighter version of the original color is **42.1360, 40.5625, 69.2269**, and **6.8488, 6.1162, 14.7295** is the 20% darker color. If you saturate the color by 10%, you get **15.9808, 14.0134, 34.6638**, and if you desaturate by 10%, it is **23.6181, 23.2834, 36.0506**.

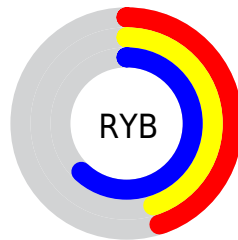
Distribution



Red (45%)

Green (45%)

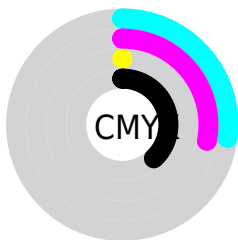
Blue (62%)



Red (45%)

Yellow (45%)

Blue (62%)

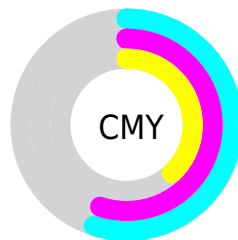


Cyan (27%)

Magenta (28%)

Yellow (0%)

Black (38%)



Cyan (55%)

Magenta (55%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4778, 18.2508, 35.2971 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 19.4778, 18.2508, 35.2971 by changing the saturation by 10% instead.

■ 19.4778, 18.2508,
35.2971

■ 19.4778, 18.2508,
35.2971

241.9617,
242.2809, 340.8218

■ 12.1221, 11.1302,
23.6064

■ 42.0506, 40.4642,
69.1026

■ 6.8997, 6.1545,
14.8324

■ 57.9984, 56.3258,
92.0544

■ 3.4452, 2.9392,
8.5566

■ 77.5409, 75.8699,
119.5971

■ 1.3933, 1.1001,
4.3603

■ 101.0434, 99.4808,
152.1492

■ 0.2515, 0.0000,
1.8250

128.8715,
127.5430, 190.1291

■ 0.0000, 0.0000,
0.4444

161.3903,

■ 0.0000, 0.0000,

160.4408, 233.9555

0.0000

198.9653,
198.5586, 284.0469

■ 19.4778, 18.2508,
35.2971

■ 19.4778, 18.2508,
35.2971

■ 15.9808, 14.0134,
34.6638

■ 23.6181, 23.2834,
36.0506

■ 13.0931, 10.5286,
34.1434

■ 28.4299, 29.1468,
36.9287

■ 10.7803, 7.7529,
33.7295

■ 33.9416, 35.8769,
37.9373

■ 9.0041, 5.6377,
33.4149

■ 40.1799, 43.5069,
39.0812

■ 7.7210, 4.1280,
33.1911

■ 47.1697, 52.0682,
40.3653

■ 6.8813, 3.1603,
33.0486

■ 54.9350, 61.5908,
41.7941

■ 6.4082, 2.6241,
32.9700

■ 63.4985, 72.1033,
43.3719

■ 6.3465, 2.5488,
32.9587

■ 72.8821, 83.6332,
45.1028

■ 82.4324, 94.8576,
46.7659

Harmonies

Analogous

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



16.9282, 18.2508, 37.1603



19.4778, 18.2508, 35.2971



21.6290, 18.2508, 28.9453

Triad

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



19.4778, 18.2508, 35.2971



20.2783, 18.2508, 10.5302



12.9517, 18.2508, 18.6876

Complementary

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



19.4778, 18.2508, 35.2971



29.3404, 33.1797, 20.7782

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.



13.6708, 18.2508, 12.9257



19.4778, 18.2508, 35.2971



17.7723, 18.2508, 9.0016

Square

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



19.4778, 18.2508, 35.2971



22.1217, 18.2508, 14.5620



15.3773, 18.2508, 9.7583



13.3138, 18.2508, 26.3375

Rectangle

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



19.4778, 18.2508, 35.2971



22.4637, 18.2508, 23.6850



15.3773, 18.2508, 9.7583



13.0728, 18.2508, 16.4919

Sweetspot

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



19.4784, 18.2515, 35.2975



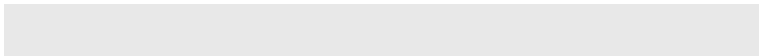
51.0523, 52.3665, 66.1605



25.3397, 30.3646, 37.3266



11.2116, 11.4424, 14.8613



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.



19.4784, 18.2515, 35.2975



30.7791, 27.7098, 62.4697



22.7571, 19.9418, 35.4510



6.3107, 6.4486, 8.3188



5.0222, 2.0181, 26.0321



0.0969, 0.0397, 0.4658

Inverse Universe

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



26.4017, 21.8405, 34.7227



45.2869, 35.2324, 61.1817



25.4276, 31.1625, 20.5950



6.8914, 6.7495, 8.2793



15.7693, 7.6123, 24.0998



0.2855, 0.1375, 0.4494

Previews

White Background



This preview shows how the XYZ color 19.4778, 18.2508, 35.2971 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 19.4778, 18.2508, 35.2971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

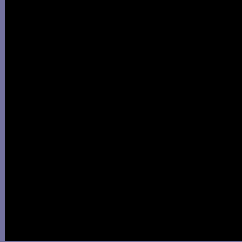
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4778, 18.2508, 35.2971

Background



This preview shows how black text looks on a background with the XYZ color 19.4778, 18.2508, 35.2971.



This preview shows how white text looks on a background with the XYZ color 19.4778, 18.2508,

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

19.4778, 18.2508, 35.2971

Protanopia

18.6200, 18.2990, 36.2689

Deuteranopia

18.7172, 18.3793, 34.9088



Tritanopia

17.1093, 18.3329, 23.4057

Trichromacy



Original Color

19.4778, 18.2508, 35.2971

Protanomaly

18.8972, 18.2801, 35.7901

Deuteranomaly

18.9725, 18.3389, 34.8876

Tritanomaly

17.8941, 18.2951, 27.3991

Monochromacy



Original Color

19.4778, 18.2508, 35.2971

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.3893, 18.6000, 25.1752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4778, 18.2508, 35.2971 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, 114, 159)` looks like.

```
.text, #text, p{  
    color:rgb(116, 114, 159)  
}
```

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, 114, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 114, 159) }
```

Border

The CSS property to change the border of an element to XYZ 19.4778, 18.2508, 35.2971 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, 114, 159) }
```


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

```
.border{ border-color:rgb(116, 114, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 114, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 114, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 114, 159);  
box-shadow:4px 4px 4px 4px rgb(116, 114,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4778, 18.2508, 35.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 114, 159) }
```

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

```
.background{ background-color: rgb(116,  
114, 159) }
```

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