

Converting Colors

XYZ(19.1204, 18.1721, 47.6792)

Have a look what the booklet for
XYZ(19.1204, 18.1721, 47.6792)
contains.

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Color

**XYZ(19.1136, 18.1251,
47.8385)**

Conversions

Conversions Part 1

Format	Color
Hex	5A74B8
RGB	90, 116, 184
RGB Percent	35%, 45%, 72%
CMY	0.6470, 0.5451, 0.2784
CMYK	0.51, 0.37, 0.00, 0.28
HSL	223°, 40%, 54%
HSV	223°, 51%, 72%
XYZ	19.1136, 18.1251, 47.8385
YIQ	115.9780, -37.3240, 15.6360

Conversions

Conversions Part 2

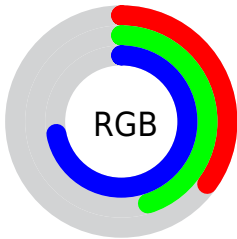
Format	Color
RYB	90, 110, 184
Decimal	5928120
CIELab	49.65, 9.97, -38.86
CIELCh	50, 40.118, 284.392
Yxy	18.1251, 0.2247, 0.2130
Android (android.graphics.Color)	4284118200 (0xFF5A74B8)
YUV	115.9780, 33.5348, -22.7827
Hunter-Lab	42.5736, 5.6346, -36.8207

Details

The XYZ color **19.1136, 18.1251, 47.8385** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.8406, 35.3839, 14.7202**, and the grayscale version is **16.5031, 17.3625, 18.9078**.

A 20% lighter version of the original color is **41.4079, 40.3163, 88.0375**, and **6.6615, 6.0373, 21.9333** is the 20% darker color. If you saturate the color by 10%, you get **16.1144, 14.4623, 47.2899**, and if you desaturate by 10%, it is **22.7770, 22.4573, 48.4820**.

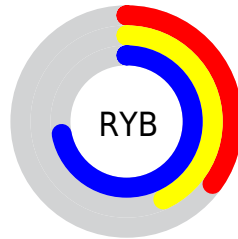
Distribution



Red (35%)

Green (45%)

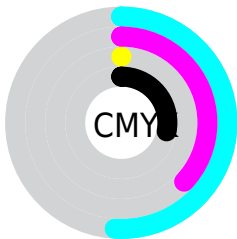
Blue (72%)



Red (35%)

Yellow (43%)

Blue (72%)

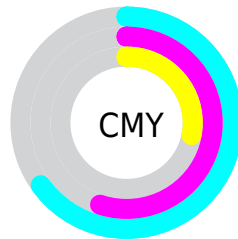


Cyan (51%)

Magenta (37%)

Yellow (0%)

Black (28%)



Cyan (65%)

Magenta (55%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1136, 18.1251, 47.8385 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 19.1136, 18.1251, 47.8385 by changing the saturation by 10% instead.

■ 19.1136, 18.1251,
47.8385

■ 19.1136, 18.1251,
47.8385

240.0013,
241.5752, 394.6419

■ 11.8569, 11.0398,
33.3399

■ 41.4414, 40.2504,
88.3269

■ 6.7178, 6.0936,
22.1137

■ 57.2431, 56.0592,
115.1539

■ 3.3310, 2.9021,
13.7414

■ 76.6239, 75.5446,
146.9274

■ 1.3311, 1.0808,
7.8043

■ 99.9491, 99.0911,
184.0660

■ 0.2063, 0.0000,
3.8840

127.5841,
127.0830, 226.9881

■ 0.0000, 0.0000,
1.5619

159.8942,

■ 0.0000, 0.0000,

159.9047, 276.1125

0.2634

197.2448,
197.9407, 331.8576

■ 0.0000, 0.0000,
0.0000

■ 19.1136, 18.1251,
47.8385

■ 19.1136, 18.1251,
47.8385

■ 16.1144, 14.4623,
47.2899

■ 22.7770, 22.4573,
48.4820

■ 13.7348, 11.4312,
46.8303

■ 27.1413, 27.4899,
49.2234

■ 11.9275, 8.9929,
46.4549

■ 32.2426, 33.2542,
50.0671

■ 10.6365, 7.1026,
46.1581

■ 38.1141, 39.7789,
51.0170

■ 9.8308, 5.8187,
45.9527

■ 44.7867, 47.0910,
52.0767

■ 52.2899, 55.2165,
53.2496

■ 60.6512, 64.1797,
54.5390

■ 69.8973, 74.0042,
55.9480

■ 79.8302, 84.5976,
57.4692

Harmonies

Analogous

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



15.3302, 18.1251, 47.6310



19.1136, 18.1251, 47.8385



22.8786, 18.1251, 38.8487

Triad

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



19.1136, 18.1251, 47.8385



23.0116, 18.1251, 8.3940



11.0900, 18.1251, 14.6105

Complementary

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



19.1136, 18.1251, 47.8385



33.8406, 35.3839, 14.7202

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.



12.5930, 18.1251, 8.2173



19.1136, 18.1251, 47.8385



19.2749, 18.1251, 5.6384

Square

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



19.1136, 18.1251, 47.8385



25.3440, 18.1251, 14.9651



15.4695, 18.1251, 5.5886



11.0600, 18.1251, 25.4243

Rectangle

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



19.1136, 18.1251, 47.8385



24.7158, 18.1251, 30.2653



15.4695, 18.1251, 5.5886



11.4285, 18.1251, 11.9838

Sweetspot

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



19.1143, 18.1257, 47.8389



64.4836, 67.0107, 91.7403



27.4749, 38.9021, 38.1243



13.4229, 13.9142, 19.6999



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.1143, 18.1257, 47.8389



28.7612, 25.6546, 85.6406



18.7850, 14.1127, 47.0817



8.7179, 9.1130, 11.3789



6.8273, 4.1143, 31.6874



0.2944, 0.2525, 1.1350

Inverse Universe

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



26.5764, 18.7646, 18.7446



44.0879, 28.1056, 25.6271



34.2209, 42.8732, 16.1457



9.1040, 9.0520, 9.8948



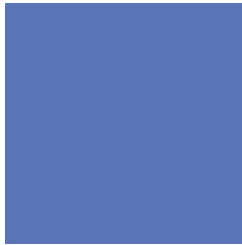
14.0598, 7.1977, 2.9357



0.5228, 0.2646, 0.2463

Previews

White Background



This preview shows how the XYZ color 19.1136, 18.1251, 47.8385 looks on a white background.

Color Contrast Check

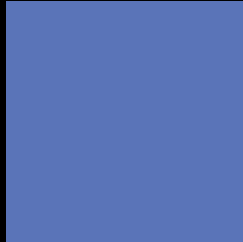
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1136, 18.1251, 47.8385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

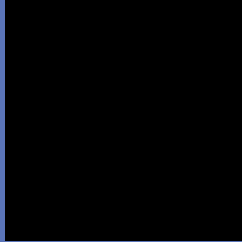
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

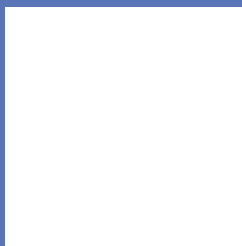
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1136, 18.1251, 47.8385

Background



This preview shows how black text looks on a background with the XYZ color 19.1136, 18.1251, 47.8385.

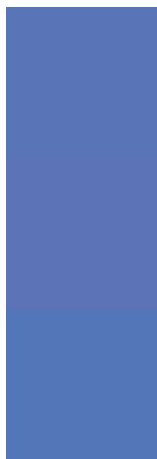


This preview shows how white text looks on a background with the XYZ color 19.1136, 18.1251,

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

19.1136, 18.1251, 47.8385

Protanopia

19.2967, 18.0493, 47.8142

Deuteranopia

18.6974, 18.2566, 47.8858



Tritanopia

14.7288, 18.1551, 26.0206

Trichromacy



Original Color

19.1136, 18.1251, 47.8385

Protanomaly

19.1961, 17.9975, 47.8095

Deuteranomaly

18.8508, 18.1617, 47.8594

Tritanomaly

16.0176, 17.9244, 32.7525

Monochromacy



Original Color

19.1136, 18.1251, 47.8385

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.1165, 17.5397, 27.6827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1136, 18.1251, 47.8385 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(90, 116, 184)` looks like.

```
.text, #text, p{  
    color:rgb(90, 116, 184)  
}
```

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(90, 116, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 116, 184) }
```

Border

The CSS property to change the border of an element to XYZ 19.1136, 18.1251, 47.8385 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(90, 116, 184) }
```


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

```
.border{ border-color:rgb(90, 116, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 116, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 116, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 116, 184);  
box-shadow:4px 4px 4px 4px rgb(90, 116,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1136, 18.1251, 47.8385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 116, 184) }
```

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

```
.background{ background-color: rgb(90, 116,  
184) }
```

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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