

Converting Colors

XYZ(18.8637, 19.1038, 30.3236)

Have a look what the booklet for
XYZ(18.8637, 19.1038, 30.3236)
contains.

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Color

**XYZ(18.7930, 19.0502,
30.2903)**

Conversions

Conversions Part 1

Format	Color
Hex	717893
RGB	113, 120, 147
RGB Percent	44%, 47%, 58%
CMY	0.5569, 0.5294, 0.4235
CMYK	0.23, 0.18, 0.00, 0.42
HSL	228°, 14%, 51%
HSV	228°, 23%, 58%
XYZ	18.7930, 19.0502, 30.2903
YIQ	120.9850, -12.8390, 6.9130

Conversions

Conversions Part 2

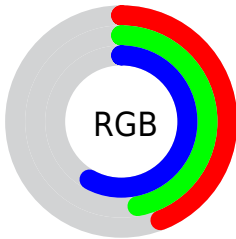
Format	Color
RYB	113, 119, 147
Decimal	7436435
CIELab	50.75, 3.59, -15.48
CIELCh	51, 15.892, 283.057
Yxy	19.0502, 0.2758, 0.2796
Android (android.graphics.Color)	4285626515 (0xFF717893)
YUV	120.9850, 12.8254, -7.0028
Hunter-Lab	43.6465, 0.4758, -10.5941

Details

The XYZ color **18.7930, 19.0502, 30.2903** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.3917, 26.1517, 19.3856**, and the grayscale version is **18.1324, 19.0767, 20.7746**.

A 20% lighter version of the original color is **40.8122, 41.7214, 61.1603**, and **6.5430, 6.5692, 11.9895** is the 20% darker color. If you saturate the color by 10%, you get **15.7335, 15.5148, 29.7695**, and if you desaturate by 10%, it is **22.3312, 23.0875, 30.8834**.

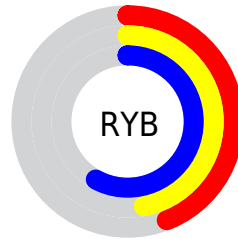
Distribution



Red (44%)

Green (47%)

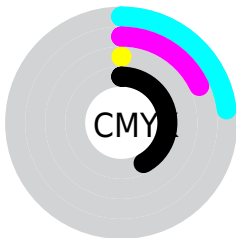
Blue (58%)



Red (44%)

Yellow (47%)

Blue (58%)

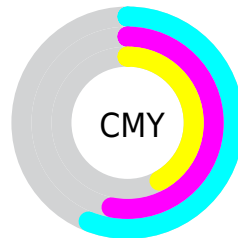


Cyan (23%)

Magenta (18%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7930, 19.0502, 30.2903 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 18.7930, 19.0502, 30.2903 by changing the saturation by 10% instead.

■ 18.7930, 19.0502,
30.2903

■ 18.7930, 19.0502,
30.2903

238.2637,
246.7258, 317.5046

■ 11.6239, 11.7066,
19.8051

■ 40.9036, 41.8189,
61.1874

■ 6.5585, 6.5442,
12.0708

■ 56.5758, 58.0128,
82.4364

■ 3.2314, 3.1787,
6.6688

■ 75.8132, 77.9255,
108.1104

■ 1.2773, 1.2257,
3.1805

■ 98.9810, 101.9414,
138.6280

■ 0.1661, 0.0826,
1.1875

126.4445,
130.4451, 174.4076

■ 0.0000, 0.0000,
0.0000

158.5693,

163.8207, 215.8679

195.7206,
202.4528, 263.4274

■ 18.7930, 19.0502,
30.2903

■ 18.7930, 19.0502,
30.2903

■ 15.7335, 15.5148,
29.7695

■ 22.3312, 23.0875,
30.8834

■ 13.1301, 12.4590,
29.3169

■ 26.3659, 27.6429,
31.5500

■ 10.9609, 9.8624,
28.9300

■ 30.9162, 32.7352,
32.2931

■ 9.2016, 7.7023,
28.6058

■ 35.9995, 38.3810,
33.1150

■ 7.8252, 5.9536,
28.3408

■ 41.6325, 44.5967,
34.0178

■ 6.8015, 4.5887,
28.1313

■ 47.8311, 51.3975,
35.0038

■ 6.0953, 3.5766,
27.9731

■ 54.6106, 58.7986,
36.0750

■ 5.7376, 3.0487,
27.8901

■ 61.9857, 66.8140,
37.2335

■ 69.9706, 75.4579,
38.4810

Harmonies

Analogous

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



17.2462, 19.0502, 30.0965



18.7930, 19.0502, 30.2903



20.2334, 19.0502, 27.6763

Triad

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



18.7930, 19.0502, 30.2903



20.3888, 19.0502, 15.4113



15.3853, 19.0502, 18.3375

Complementary

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



18.7930, 19.0502, 30.2903



24.3917, 26.1517, 19.3856

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.



16.1344, 19.0502, 15.0757



18.7930, 19.0502, 30.2903



18.9952, 19.0502, 13.5602

Square

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



18.7930, 19.0502, 30.2903



21.1897, 19.0502, 18.8610



17.4372, 19.0502, 13.4469



15.3381, 19.0502, 22.7450

Rectangle

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



18.7930, 19.0502, 30.2903



20.9154, 19.0502, 24.8849



17.4372, 19.0502, 13.4469



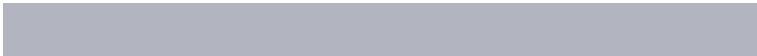
15.5613, 19.0502, 17.0872

Sweetspot

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



18.7936, 19.0510, 30.2907



44.2066, 46.1143, 56.0056



21.9509, 26.2612, 28.5818



10.0063, 10.4309, 12.7708



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.7936, 19.0510, 30.2907



30.5673, 30.5586, 53.7219



19.2881, 18.1014, 30.0814



5.5905, 5.8150, 7.2975



4.9894, 2.6736, 24.1841



0.0787, 0.0679, 0.3019

Inverse Universe

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



21.3284, 19.3700, 20.3847



35.9972, 31.3610, 32.4752



23.7915, 27.4095, 19.6600



5.8468, 5.8338, 6.2991



10.6455, 5.4633, 1.6143



0.1392, 0.0704, 0.0666

Previews

White Background



This preview shows how the XYZ color 18.7930, 19.0502, 30.2903 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 18.7930, 19.0502, 30.2903 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

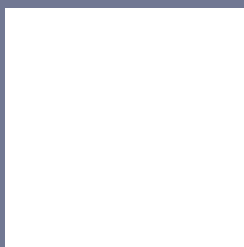
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7930, 19.0502, 30.2903

Background



This preview shows how black text looks on a background with the XYZ color 18.7930, 19.0502, 30.2903.



This preview shows how white text looks on a background with the XYZ color 18.7930, 19.0502,

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

18.7930, 19.0502, 30.2903

Protanopia

19.0532, 19.1844, 30.3025

Deuteranopia

19.3526, 18.9854, 30.2483



Tritanopia

17.6782, 19.1469, 24.5938

Trichromacy



Original Color

18.7930, 19.0502, 30.2903

Protanomaly

18.9224, 19.1169, 30.2964

Deuteranomaly

19.1994, 19.0821, 30.2751

Tritanomaly

18.0304, 19.1047, 26.4042

Monochromacy



Original Color

18.7930, 19.0502, 30.2903

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3379, 19.1380, 23.8466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7930, 19.0502, 30.2903 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(113, 120, 147)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 147)  
}
```

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(113, 120, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 147) }
```

Border

The CSS property to change the border of an element to XYZ 18.7930, 19.0502, 30.2903 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(113, 120, 147) }
```


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

```
.border{ border-color:rgb(113, 120, 147) }
```

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

Here you see how a box with a 4 pixel rgb(113, 120, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 120, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 120, 147);  
box-shadow:4px 4px 4px 4px rgb(113, 120,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7930, 19.0502, 30.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 147) }
```

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

```
.background{ background-color: rgb(113,  
120, 147) }
```

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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