

Converting Colors

XYZ(18.1902, 20.0262, 30.9237)

Have a look what the booklet for
XYZ(18.1902, 20.0262, 30.9237)
contains.

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Color

**XYZ(18.1902, 20.0262,
30.9237)**

Conversions

Conversions Part 1

Format	Color
Hex	647F94
RGB	100, 127, 148
RGB Percent	39%, 50%, 58%
CMY	0.6078, 0.5020, 0.4196
CMYK	0.32, 0.14, 0.00, 0.42
HSL	206°, 19%, 49%
HSV	206°, 32%, 58%
XYZ	18.1902, 20.0262, 30.9237
YIQ	121.3210, -22.8330, 0.8070

Conversions

Conversions Part 2

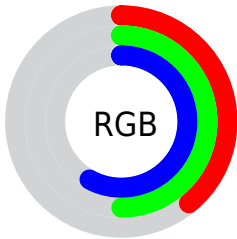
Format	Color
R_{YB}	100, 117, 148
Decimal	6586260
CIE _{Lab}	51.87, -4.39, -14.45
CIE _{LCh}	52, 15.104, 253.104
Yxy	20.0262, 0.2631, 0.2896
Android (android.graphics.Color)	4284776340 (0xFF647F94)
YUV	121.3210, 13.1527, -18.6985
Hunter-Lab	44.7506, -5.7571, -9.6453

Details

The XYZ color **18.1902, 20.0262, 30.9237** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.3507, 20.8910, 14.9642**, and the grayscale version is **18.2423, 19.1924, 20.9005**.

A 20% lighter version of the original color is **39.9308, 43.5822, 62.1847**, and **6.2473, 7.0157, 12.3341** is the 20% darker color. If you saturate the color by 10%, you get **15.8902, 17.6392, 30.5845**, and if you desaturate by 10%, it is **20.8426, 22.6756, 31.2956**.

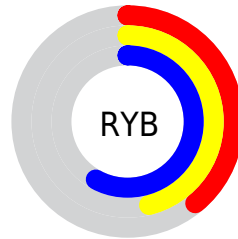
Distribution



Red (39%)

Green (50%)

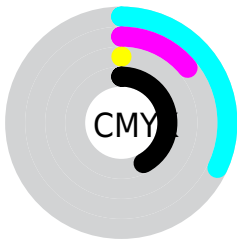
Blue (58%)



Red (39%)

Yellow (46%)

Blue (58%)

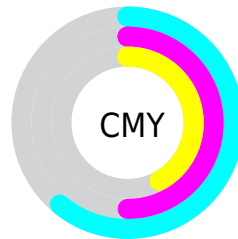


Cyan (32%)

Magenta (14%)

Yellow (0%)

Black (42%)



Cyan (61%)

Magenta (50%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1902, 20.0262, 30.9237 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 18.1902, 20.0262, 30.9237 by changing the saturation by 10% instead.

■ 18.1902, 20.0262,
30.9237

■ 18.1902, 20.0262,
30.9237

234.9658,
252.0569, 320.5270

■ 11.1871, 12.4141,
20.2828

■ 39.8887, 43.4611,
62.1981

■ 6.2611, 7.0264,
12.4146

■ 55.3149, 60.0527,
83.6686

■ 3.0466, 3.4786,
6.9008

■ 74.2794, 80.4062,
109.5862

■ 1.1785, 1.3864,
3.3226

■ 97.1477, 104.9061,
140.3692

■ 0.0893, 0.2067,
1.2616

124.2852,
133.9367, 176.4362

■ 0.0000, 0.0000,
0.0300

156.0571,

■ 0.0000, 0.0000,

167.8825, 218.2058

0.0000

192.8289,
207.1277, 266.0966

■ 18.1902, 20.0262,
30.9237

■ 18.1902, 20.0262,
30.9237

■ 15.8902, 17.6392,
30.5845

■ 20.8426, 22.6756,
31.2956

■ 13.9236, 15.5019,
30.2756

■ 23.8614, 25.5947,
31.7000

■ 12.2723, 13.6039,
29.9963

■ 27.2621, 28.7933,
32.1381

■ 10.9157, 11.9330,
29.7453

■ 31.0587, 32.2799,
32.6110

■ 9.8303, 10.4755,
29.5212

■ 35.2644, 36.0629,
33.1195

■ 8.9885, 9.2155,
29.3224

■ 39.8918, 40.1499,
33.6645

■ 8.4581, 8.3636,
29.1859

■ 44.9530, 44.5485,
34.2468

■ 50.4595, 49.2658,
34.8671

■ 56.4224, 54.3089,
35.5262

Harmonies

Analogous

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



16.9618, 20.0262, 28.0991



18.1902, 20.0262, 30.9237



19.7106, 20.0262, 31.1066

Triad

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



18.1902, 20.0262, 30.9237



22.0528, 20.0262, 19.9461



17.0898, 20.0262, 16.2028

Complementary

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



18.1902, 20.0262, 30.9237



21.3507, 20.8910, 14.9642

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.



18.3736, 20.0262, 14.5716



18.1902, 20.0262, 30.9237



21.2691, 20.0262, 16.5291

Square

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



18.1902, 20.0262, 30.9237



21.9971, 20.0262, 24.3524



19.9041, 20.0262, 14.6824



16.3502, 20.0262, 19.4420

Rectangle

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



18.1902, 20.0262, 30.9237



20.6905, 20.0262, 29.6709



19.9041, 20.0262, 14.6824



17.4690, 20.0262, 15.4690

Sweetspot

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



18.1908, 20.0270, 30.9242



43.3816, 46.3762, 56.0996



19.2848, 25.2651, 21.8857



9.7350, 10.4272, 12.7844



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.



18.1908, 20.0270, 30.9242



29.0552, 32.1969, 54.1178



15.4715, 14.5883, 30.0177



5.7538, 6.1417, 7.3519



7.2519, 7.1986, 24.9383



0.1182, 0.1469, 0.3150

Inverse Universe

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



20.6012, 16.9431, 22.2641



34.0959, 26.2429, 35.8965



24.6083, 27.4061, 16.0500



5.9292, 5.8667, 6.7333



11.7875, 5.9201, 7.6280



0.1591, 0.0784, 0.1715

Previews

White Background



This preview shows how the XYZ color 18.1902, 20.0262, 30.9237 looks on a white background.

Color Contrast Check

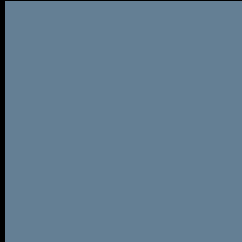
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1902, 20.0262, 30.9237 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

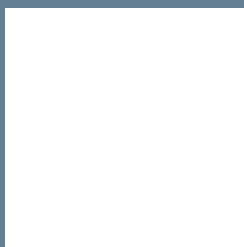
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1902, 20.0262, 30.9237

Background



This preview shows how black text looks on a background with the XYZ color 18.1902, 20.0262, 30.9237.

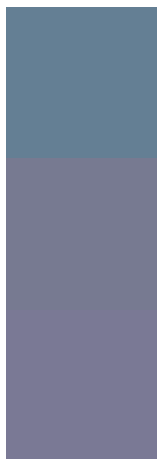


This preview shows how white text looks on a background with the XYZ color 18.1902, 20.0262,

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

18.1902, 20.0262, 30.9237

Protanopia

19.6781, 19.8853, 29.5892

Deuteranopia

20.2882, 19.9822, 31.2214



Tritanopia

17.5475, 20.1613, 27.3928

Trichromacy



Original Color

18.1902, 20.0262, 30.9237

Protanomaly

19.0781, 19.9354, 30.0365

Deuteranomaly

19.4472, 19.9133, 31.2524

Tritanomaly

17.7472, 20.0440, 28.5247

Monochromacy



Original Color

18.1902, 20.0262, 30.9237

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.9897, 19.3153, 24.2528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1902, 20.0262, 30.9237 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(100, 127, 148)` looks like.

```
.text, #text, p{  
    color:rgb(100, 127, 148)  
}
```

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(100, 127, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 127, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.1902, 20.0262, 30.9237 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(100, 127, 148) }
```


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

```
.border{ border-color:rgb(100, 127, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 127, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 127, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 127, 148);  
box-shadow:4px 4px 4px 4px rgb(100, 127,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1902, 20.0262, 30.9237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 127, 148) }
```

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

```
.background{ background-color: rgb(100,  
127, 148) }
```

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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