

Converting Colors

XYZ(19.5033, 20.3772, 30.8018)

Have a look what the booklet for
XYZ(19.5033, 20.3772, 30.8018)
contains.

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Color

**XYZ(19.4890, 20.3161,
30.9112)**

Conversions

Conversions Part 1

Format	Color
Hex	717D94
RGB	113, 125, 148
RGB Percent	44%, 49%, 58%
CMY	0.5569, 0.5098, 0.4196
CMYK	0.24, 0.16, 0.00, 0.42
HSL	219°, 14%, 51%
HSV	219°, 24%, 58%
XYZ	19.4890, 20.3161, 30.9112
YIQ	124.0340, -14.5350, 4.6090

Conversions

Conversions Part 2

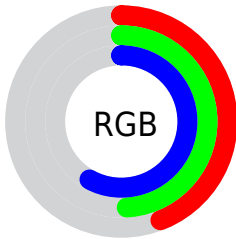
Format	Color
R_{YB}	113, 122, 148
Decimal	7437716
CIE _{Lab}	52.19, 0.91, -13.87
CIE _{LCh}	52, 13.902, 273.738
Yxy	20.3161, 0.2756, 0.2873
Android (android.graphics.Color)	4285627796 (0xFF717D94)
YUV	124.0340, 11.8152, -9.6768
Hunter-Lab	45.0734, -1.6979, -9.1095

Details

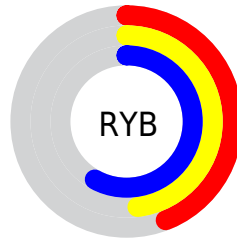
The XYZ color **19.4890, 20.3161, 30.9112** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.9978, 25.0966, 19.2027**, and the grayscale version is **19.1354, 20.1319, 21.9237**.

A 20% lighter version of the original color is **42.0981, 44.1044, 62.1713**, and **6.8565, 7.1219, 12.3226** is the 20% darker color. If you saturate the color by 10%, you get **16.5666, 17.0709, 30.4392**, and if you desaturate by 10%, it is **22.8438, 23.9641, 31.4389**.

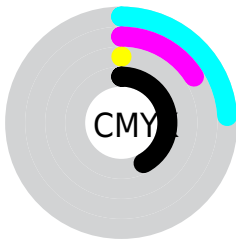
Distribution



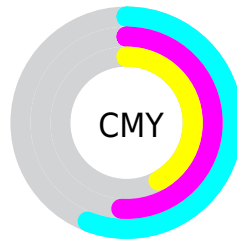
- Red (44%)
- Green (49%)
- Blue (58%)



- Red (44%)
- Yellow (48%)
- Blue (58%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)
- Black (42%)



- Cyan (56%)
- Magenta (51%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4890, 20.3161, 30.9112 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 19.4890, 20.3161, 30.9112 by changing the saturation by 10% instead.

■ 19.4890, 20.3161,
30.9112

■ 19.4890, 20.3161,
30.9112

242.0218,
253.6212, 320.4675

■ 12.1302, 12.6250,
20.2733

■ 42.0693, 43.9465,
62.1782

■ 6.9053, 7.1709,
12.4078

■ 58.0215, 60.6546,
83.6444

■ 3.4487, 3.5692,
6.8962

■ 77.5690, 81.1373,
109.5571

■ 1.3953, 1.4356,
3.3198

■ 101.0770,
105.7787, 140.3349

■ 0.2528, 0.2427,
1.2602

128.9109,
134.9635, 176.3963

■ 0.0000, 0.0000,
0.0288

161.4361,

■ 0.0000, 0.0000,

169.0759, 218.1598

0.0000

199.0180,
208.5003, 266.0441

■ 19.4890, 20.3161,
30.9112

■ 19.4890, 20.3161,
30.9112

■ 16.5666, 17.0709,
30.4392

■ 22.8438, 23.9641,
31.4389

■ 14.0562, 14.2115,
30.0196

■ 26.6463, 28.0264,
32.0225

■ 11.9386, 11.7231,
29.6509

■ 30.9137, 32.5169,
32.6644

■ 10.1920, 9.5888,
29.3310

■ 35.6613, 37.4482,
33.3660

■ 8.7926, 7.7904,
29.0576

■ 40.9039, 42.8322,
34.1289

■ 7.7133, 6.3078,
28.8283

■ 46.6557, 48.6805,
34.9546

■ 6.9225, 5.1178,
28.6403

■ 52.9302, 55.0041,
35.8445

■ 6.5182, 4.4839,
28.5392

■ 59.7403, 61.8138,
36.7999

■ 67.0987, 69.1200,
37.8223

Harmonies

Analogous

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



18.1227, 20.3161, 29.9302



19.4890, 20.3161, 30.9112



20.8719, 20.3161, 29.3088

Triad

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



19.4890, 20.3161, 30.9112



21.6791, 20.3161, 18.0426



16.9555, 20.3161, 18.8272

Complementary

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



19.4890, 20.3161, 30.9112



23.9978, 25.0966, 19.2027

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.



17.8278, 20.3161, 16.2160



19.4890, 20.3161, 30.9112



20.5478, 20.3161, 15.8037

Square

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



19.4890, 20.3161, 30.9112



22.1750, 20.3161, 21.6132



19.1318, 20.3161, 15.1781



16.7028, 20.3161, 22.6362

Rectangle

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



19.4890, 20.3161, 30.9112



21.6044, 20.3161, 27.0943



19.1318, 20.3161, 15.1781



17.1838, 20.3161, 17.7965

Sweetspot

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



19.4896, 20.3169, 30.9117



44.5809, 46.8631, 56.1304



21.8266, 26.4614, 27.1571



10.0974, 10.6131, 12.8012



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.



19.4896, 20.3169, 30.9117



31.7620, 32.9480, 54.1202



18.7562, 17.8180, 30.4680



5.6524, 5.9388, 7.3181



5.5909, 3.8767, 24.3846



0.0938, 0.0983, 0.3069

Inverse Universe

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



21.8201, 19.5874, 22.0337



36.6003, 31.6022, 35.6508



24.8554, 28.1898, 19.7545



5.8780, 5.8463, 6.4636



10.9491, 5.5847, 3.2131



0.1468, 0.0735, 0.1069

Previews

White Background



This preview shows how the XYZ color 19.4890, 20.3161, 30.9112 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 19.4890, 20.3161, 30.9112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

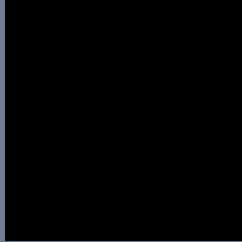
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

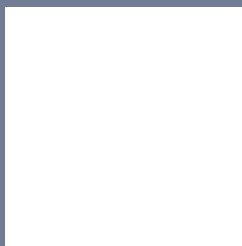
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4890, 20.3161, 30.9112

Background



This preview shows how black text looks on a background with the XYZ color 19.4890, 20.3161, 30.9112.



This preview shows how white text looks on a background with the XYZ color 19.4890, 20.3161,

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

19.4890, 20.3161, 30.9112

Protanopia

20.0951, 20.2656, 30.4563

Deuteranopia

20.5744, 20.1298, 31.2348



Tritanopia

18.6603, 20.3644, 26.6141

Trichromacy



Original Color

19.4890, 20.3161, 30.9112

Protanomaly

19.8102, 20.3038, 30.4787

Deuteranomaly

20.1301, 20.0821, 31.2490

Tritanomaly

18.9507, 20.2895, 28.1168

Monochromacy



Original Color

19.4890, 20.3161, 30.9112

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1870, 20.1018, 25.0591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4890, 20.3161, 30.9112 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, 125, 148)` looks like.

```
.text, #text, p{  
    color:rgb(113, 125, 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(113, 125, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 125, 148) }
```

Border

The CSS property to change the border of an element to XYZ 19.4890, 20.3161, 30.9112 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, 125, 148) }
```


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

```
.border{ border-color:rgb(113, 125, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 125, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 125, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 125, 148);  
box-shadow:4px 4px 4px 4px rgb(113, 125,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4890, 20.3161, 30.9112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 125, 148) }
```

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

```
.background{ background-color: rgb(113,  
125, 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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