

Converting Colors

XYZ(18.9354, 19.9777, 30.7285)

Have a look what the booklet for
XYZ(18.9354, 19.9777, 30.7285)
contains.

XYZ(18.9856, 20.0566, 30.8876)	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(18.9856, 20.0566,
30.8876)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7D94
RGB	109, 125, 148
RGB Percent	43%, 49%, 58%
CMY	0.5725, 0.5098, 0.4196
CMYK	0.26, 0.16, 0.00, 0.42
HSL	215°, 15%, 50%
HSV	215°, 26%, 58%
XYZ	18.9856, 20.0566, 30.8876
YIQ	122.8380, -16.9190, 3.7610

Conversions

Conversions Part 2

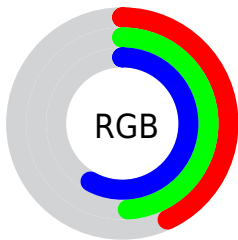
Format	Color
R _{YB}	109, 120, 148
Decimal	7175572
CIE Lab	51.90, -0.40, -14.34
CIE LCh	52, 14.347, 268.412
Yxy	20.0566, 0.2715, 0.2868
Android (android.graphics.Color)	4285365652 (0xFF6D7D94)
YUV	122.8380, 12.4049, -12.1359
Hunter-Lab	44.7846, -2.7013, -9.5427

Details

The XYZ color **18.9856, 20.0566, 30.8876** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.2245, 23.9026, 17.8581**, and the grayscale version is **18.7383, 19.7142, 21.4687**.

A 20% lighter version of the original color is **41.2790, 43.6821, 62.1330**, and **6.6056, 6.9926, 12.3108** is the 20% darker color. If you saturate the color by 10%, you get **16.2593, 17.0828, 30.4576**, and if you desaturate by 10%, it is **22.1168, 23.3843, 31.3652**.

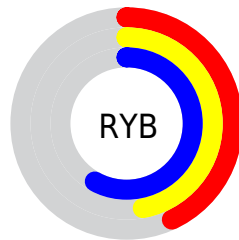
Distribution



Red (43%)

Green (49%)

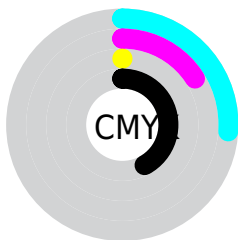
Blue (58%)



Red (43%)

Yellow (47%)

Blue (58%)

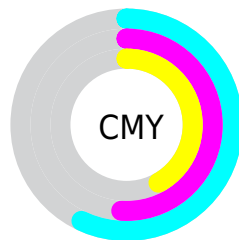


Cyan (26%)

Magenta (16%)

Yellow (0%)

Black (42%)



Cyan (57%)

Magenta (51%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9856, 20.0566, 30.8876 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 18.9856, 20.0566, 30.8876 by changing the saturation by 10% instead.

■ 18.9856, 20.0566,
30.8876

■ 18.9856, 20.0566,
30.8876

239.3089,
252.2214, 320.3553

■ 11.7638, 12.4362,
20.2555

■ 41.2268, 43.5121,
62.1406

■ 6.6541, 7.0415,
12.3950

■ 56.9770, 60.1159,
83.5985

■ 3.2911, 3.4881,
6.8875

■ 76.3006, 80.4830,
109.5022

■ 1.3095, 1.3915,
3.3145

■ 99.5631, 104.9978,
140.2702

■ 0.1903, 0.2105,
1.2574

127.1299,
134.0446, 176.3209

■ 0.0000, 0.0000,
0.0265

159.3662,

■ 0.0000, 0.0000,

168.0079, 218.0730

0.0000

196.6374,
207.2720, 265.9449

■ 18.9856, 20.0566,
30.8876

■ 18.9856, 20.0566,
30.8876

■ 16.2593, 17.0828,
30.4576

■ 22.1168, 23.3843,
31.3652

■ 13.9183, 14.4476,
30.0724

■ 25.6678, 27.0756,
31.8905

■ 11.9438, 12.1379,
29.7306

■ 29.6548, 31.1428,
32.4655

■ 10.3149, 10.1391,
29.4307

■ 34.0927, 35.5969,
33.0913

■ 9.0081, 8.4346,
29.1705

■ 38.9957, 40.4484,
33.7693

■ 7.9967, 7.0064,
28.9482

■ 44.3771, 45.7074,
34.5008

■ 7.2412, 5.8295,
28.7608

■ 50.2500, 51.3835,
35.2868

■ 6.9994, 5.4462,
28.6996

■ 56.6268, 57.4862,
36.1287

■ 63.5195, 64.0244,
37.0274

Harmonies

Analogous

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



17.6321, 20.0566, 29.4165



18.9856, 20.0566, 30.8876



20.4285, 20.0566, 29.6888

Triad

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



18.9856, 20.0566, 30.8876



21.6369, 20.0566, 18.2364



16.7734, 20.0566, 17.8967

Complementary

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



18.9856, 20.0566, 30.8876



23.2245, 23.9026, 17.8581

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.



17.7601, 20.0566, 15.5101



18.9856, 20.0566, 30.8876



20.5697, 20.0566, 15.6879

Square

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



18.9856, 20.0566, 30.8876



22.0052, 20.0566, 22.0615



19.1410, 20.0566, 14.7553



16.3958, 20.0566, 21.6164

Rectangle

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



18.9856, 20.0566, 30.8876



21.2379, 20.0566, 27.6130



19.1410, 20.0566, 14.7553



17.0423, 20.0566, 16.9305

Sweetspot

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



18.9862, 20.0574, 30.8881



44.0993, 46.5460, 56.0946



21.0448, 26.0905, 25.6674



9.8601, 10.4115, 12.7748



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.



18.9862, 20.0574, 30.8881



30.3931, 32.0183, 54.0129



17.5284, 16.5371, 30.2854



5.6832, 6.0004, 7.3284



6.0041, 4.7031, 24.5224



0.1013, 0.1132, 0.3094

Inverse Universe

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



21.3836, 18.7144, 21.8882



35.4679, 29.4593, 34.8976



24.9836, 28.2813, 18.6106



5.8936, 5.8525, 6.5456



11.1577, 5.6681, 4.3114



0.1506, 0.0750, 0.1267

Previews

White Background



This preview shows how the XYZ color 18.9856, 20.0566, 30.8876 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 18.9856, 20.0566, 30.8876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

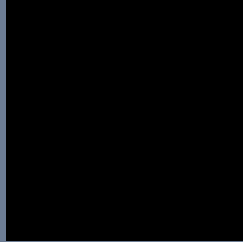
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

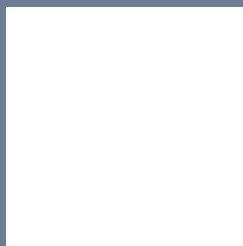
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9856, 20.0566, 30.8876

Background



This preview shows how black text looks on a background with the XYZ color 18.9856, 20.0566, 30.8876.

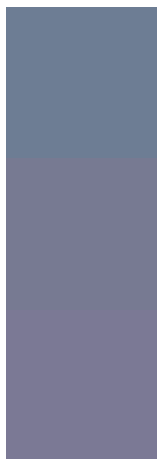


This preview shows how white text looks on a background with the XYZ color 18.9856, 20.0566,

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

18.9856, 20.0566, 30.8876

Protanopia

19.7556, 19.9163, 29.9971

Deuteranopia

20.4306, 20.0556, 31.2281



Tritanopia

18.1681, 20.1107, 26.5911

Trichromacy



Original Color

18.9856, 20.0566, 30.8876

Protanomaly

19.4197, 19.9173, 30.4247

Deuteranomaly

19.8556, 19.9405, 31.2362

Tritanomaly

18.4529, 20.0329, 28.0935

Monochromacy



Original Color

18.9856, 20.0566, 30.8876

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8437, 19.9328, 24.6840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9856, 20.0566, 30.8876 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(109, 125, 148)` looks like.

```
.text, #text, p{  
    color:rgb(109, 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(109, 125, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 125, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.9856, 20.0566, 30.8876 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(109, 125, 148) }
```


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

```
.border{ border-color:rgb(109, 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(109, 125, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 125, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 125, 148); box-shadow:4px 4px 4px 4px rgb(109, 125, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9856, 20.0566, 30.8876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 125, 148) }
```

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

```
.background{ background-color: rgb(109,  
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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