

Converting Colors

XYZ(18.7631, 21.1575, 20.9569)

Have a look what the booklet for
XYZ(18.7631, 21.1575, 20.9569)
contains.

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Color

**XYZ(18.7089, 21.1032,
20.8566)**

Conversions

Conversions Part 1

Format	Color
Hex	758278
RGB	117, 130, 120
RGB Percent	46%, 51%, 47%
CMY	0.5412, 0.4902, 0.5294
CMYK	0.10, 0.00, 0.08, 0.49
HSL	134°, 5%, 48%
HSV	134°, 10%, 51%
XYZ	18.7089, 21.1032, 20.8566
YIQ	124.9730, -4.5380, -5.8660

Conversions

Conversions Part 2

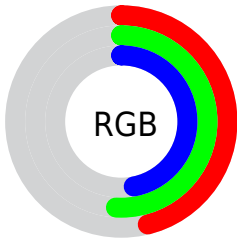
Format	Color
R_{YB}	117, 128, 130
Decimal	7701112
CIE _{Lab}	53.06, -6.83, 3.78
CIE _{LCh}	53, 7.807, 151.016
Yxy	21.1032, 0.3084, 0.3478
Android (android.graphics.Color)	4285891192 (0xFF758278)
YUV	124.9730, -2.4517, -6.9923
Hunter-Lab	45.9382, -7.6956, 5.2383

Details

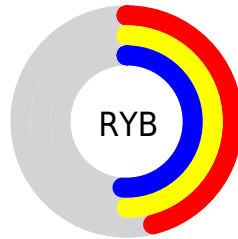
The XYZ color **18.7089, 21.1032, 20.8566** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3987, 19.0012, 22.7248**, and the grayscale version is **19.4934, 20.5086, 22.3339**.

A 20% lighter version of the original color is **40.7421, 45.2805, 45.6224**, and **6.5664, 7.6179, 7.2552** is the 20% darker color. If you saturate the color by 10%, you get **16.5065, 20.0349, 17.7492**, and if you desaturate by 10%, it is **21.2185, 22.3237, 24.3102**.

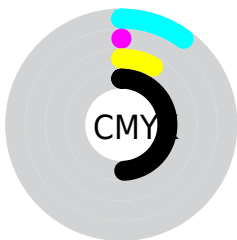
Distribution



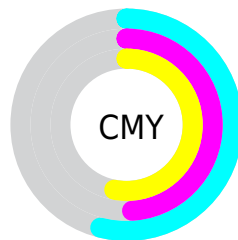
- Red (46%)
- Green (51%)
- Blue (47%)



- Red (46%)
- Yellow (50%)
- Blue (51%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (49%)



- Cyan (54%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7089, 21.1032, 20.8566 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 18.7089, 21.1032, 20.8566 by changing the saturation by 10% instead.

■ 18.7089, 21.1032,
20.8566

■ 18.7089, 21.1032,
20.8566

237.8061,
257.8264, 269.2714

■ 11.5629, 13.1995,
12.8290

■ 40.7623, 45.2592,
45.7264

■ 6.5168, 7.5660,
7.1816

■ 56.4004, 62.2803,
63.4058

■ 3.2054, 3.8185,
3.4957

■ 75.5999, 83.1093,
85.1394

■ 1.2633, 1.5726,
1.3530

98.7262, 108.1305,
111.3459

■ 0.1555, 0.3390,
0.1046

126.1446,
137.7285, 142.4438

■ 0.0000, 0.0000,
0.0000

158.2205,

172.2875, 178.8517

195.3192,
212.1920, 220.9880

■ 18.7089, 21.1032,
20.8566

■ 18.7089, 21.1032,
20.8566

■ 16.5065, 20.0349,
17.7492

■ 21.2185, 22.3237,
24.3102

■ 14.5977, 19.1103,
14.9759

■ 24.0447, 23.6993,
28.1188

■ 12.9704, 18.3239,
12.5261

■ 27.1989, 25.2362,
32.2927

■ 11.6109, 17.6690,
10.3878

■ 30.6910, 26.9394,
36.8412

■ 10.5046, 17.1383,
8.5486

■ 34.5310, 28.8138,
41.7735

■ 9.6353, 16.7236,
6.9949

■ 38.7280, 30.8639,
47.0981

■ 8.9847, 16.4159,
5.7125

■ 43.2910, 33.0942,
52.8237

■ 8.5319, 16.2048,
4.6854

■ 48.2286, 35.5090,
58.9583

■ 8.2173, 16.0598,
3.8950

■ 53.5493, 38.1124,
65.5101

Harmonies

Analogous

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



19.2557, 21.1032, 19.3179



18.7089, 21.1032, 20.8566



18.5211, 21.1032, 23.0581

Triad

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



18.7089, 21.1032, 20.8566



20.0860, 21.1032, 27.7995



21.4411, 21.1032, 20.7267

Complementary

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



18.7089, 21.1032, 20.8566



19.3987, 19.0012, 22.7248

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.



21.6776, 21.1032, 22.8977



18.7089, 21.1032, 20.8566



20.8822, 21.1032, 27.0730

Square

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



18.7089, 21.1032, 20.8566



19.3029, 21.1032, 27.1625



21.4704, 21.1032, 25.2382



20.8324, 21.1032, 19.2466

Rectangle

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



18.7089, 21.1032, 20.8566



18.6206, 21.1032, 24.6371



21.4704, 21.1032, 25.2382



21.5675, 21.1032, 21.3947

Sweetspot

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



18.7095, 21.1041, 20.8571



35.9523, 38.6246, 40.8797



19.9741, 21.7767, 19.9805



8.0632, 8.7063, 9.1508



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.7095, 21.1041, 20.8571



32.0200, 36.7139, 35.4339



19.1058, 21.2626, 22.9439



4.3136, 4.8337, 4.8224



7.8811, 15.3990, 3.7468



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.3987, 19.0012, 22.7248



33.4870, 32.2376, 39.4091



18.9996, 18.8416, 20.6234



4.4570, 4.3960, 5.2113



11.0354, 5.4338, 12.0420



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.7089, 21.1032, 20.8566 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 18.7089, 21.1032, 20.8566 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

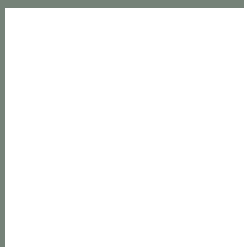
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7089, 21.1032, 20.8566

Background



This preview shows how black text looks on a background with the XYZ color 18.7089, 21.1032, 20.8566.



This preview shows how white text looks on a background with the XYZ color 18.7089, 21.1032,

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

18.7089, 21.1032, 20.8566

Protanopia

20.0909, 21.0550, 20.1447

Deuteranopia

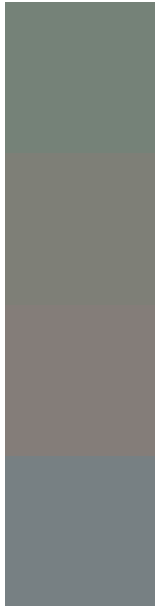
21.4569, 20.9869, 21.3323



Tritanopia

19.9225, 21.0068, 27.0494

Trichromacy



Original Color

18.7089, 21.1032, 20.8566

Protanomaly

19.5233, 20.9463, 20.4668

Deuteranomaly

20.3005, 20.9532, 21.0636

Tritanomaly

19.4237, 20.9990, 24.5022

Monochromacy



Original Color

18.7089, 21.1032, 20.8566

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.1906, 20.7464, 21.7319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7089, 21.1032, 20.8566 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(117, 130, 120)` looks like.

```
.text, #text, p{  
    color:rgb(117, 130, 120)  
}
```

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(117, 130, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 130, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.7089, 21.1032, 20.8566 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(117, 130, 120) }
```


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

```
.border{ border-color:rgb(117, 130, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 130, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 130, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 130, 120);  
box-shadow:4px 4px 4px 4px rgb(117, 130,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7089, 21.1032, 20.8566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 130, 120) }
```

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

```
.background{ background-color: rgb(117,  
130, 120) }
```

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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