

Converting Colors

XYZ(18.7457, 21.9740, 23.6152)

Have a look what the booklet for
XYZ(18.7457, 21.9740, 23.6152)
contains.

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Color

**XYZ(18.8669, 22.1377,
23.7007)**

Conversions

Conversions Part 1

Format	Color
Hex	6D8780
RGB	109, 135, 128
RGB Percent	43%, 53%, 50%
CMY	0.5725, 0.4706, 0.4980
CMYK	0.19, 0.00, 0.05, 0.47
HSL	164°, 11%, 48%
HSV	164°, 19%, 53%
XYZ	18.8669, 22.1377, 23.7007
YIQ	126.4280, -13.2490, -7.6890

Conversions

Conversions Part 2

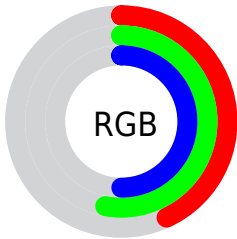
Format	Color
R_{YB}	109, 124, 135
Decimal	7178112
CIE _{Lab}	54.17, -10.80, 0.68
CIE _{LCh}	54, 10.821, 176.403
Yxy	22.1377, 0.2916, 0.3421
Android (android.graphics.Color)	4285368192 (0xFF6D8780)
YUV	126.4280, 0.7750, -15.2844
Hunter-Lab	47.0507, -10.7619, 3.0695

Details

The XYZ color **18.8669, 22.1377, 23.7007** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.6134, 17.3496, 18.8916**, and the grayscale version is **19.9782, 21.0186, 22.8892**.

A 20% lighter version of the original color is **41.0217, 46.8797, 50.6027**, and **6.5843, 8.0536, 8.6046** is the 20% darker color. If you saturate the color by 10%, you get **17.0971, 21.2531, 22.3914**, and if you desaturate by 10%, it is **20.9016, 23.1591, 25.0681**.

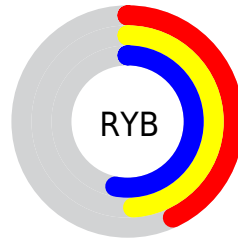
Distribution



Red (43%)

Green (53%)

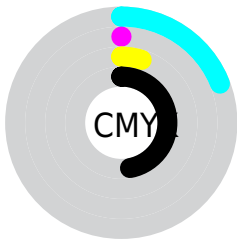
Blue (50%)



Red (43%)

Yellow (49%)

Blue (53%)

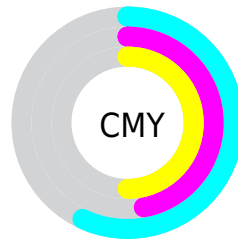


Cyan (19%)

Magenta (0%)

Yellow (5%)

Black (47%)



Cyan (57%)

Magenta (47%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8669, 22.1377, 23.7007 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 18.8669, 22.1377, 23.7007 by changing the saturation by 10% instead.

■ 18.8669, 22.1377,
23.7007

■ 18.8669, 22.1377,
23.7007

238.6652,
263.2645, 284.5415

■ 11.6776, 13.9581,
14.9016

■ 41.0277, 46.9735,
50.4790

■ 6.5952, 8.0915,
8.6045

■ 56.7299, 64.3985,
69.2954

■ 3.2543, 4.1536,
4.3909

■ 76.0004, 85.6740,
92.2878

■ 1.2896, 1.7598,
1.8421

■ 99.2045, 111.1846,
119.8750

■ 0.1754, 0.4620,
0.4555

126.7078,
141.3145, 152.4754

■ 0.0000, 0.0000,
0.0000

158.8754,

176.4482, 190.5076

196.0728,
216.9701, 234.3901

■ 18.8669, 22.1377,
23.7007

■ 18.8669, 22.1377,
23.7007

■ 17.0971, 21.2531,
22.3914

■ 20.9016, 23.1591,
25.0681

■ 15.5788, 20.4965,
21.1377

■ 23.2103, 24.3201,
26.4931

■ 14.2998, 19.8624,
19.9390

■ 25.8040, 25.6270,
27.9771

■ 13.2465, 19.3437,
18.7942

■ 28.6924, 27.0849,
29.5210

■ 12.4038, 18.9325,
17.7022

■ 31.8849, 28.6985,
31.1257

■ 11.7546, 18.6202,
16.6616

■ 35.3903, 30.4723,
32.7921

■ 11.2791, 18.3965,
15.6710

■ 39.2172, 32.4108,
34.5208

■ 10.9251, 18.2345,
14.7275

■ 43.3737, 34.5182,
36.3128

■ 10.8998, 18.2230,
14.6594

■ 47.8677, 36.7986,
38.1689

Harmonies

Analogous

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



19.2157, 22.1377, 20.6996



18.8669, 22.1377, 23.7007



19.0826, 22.1377, 27.0961

Triad

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



18.8669, 22.1377, 23.7007



22.0615, 22.1377, 30.3736



22.3157, 22.1377, 19.1084

Complementary

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



18.8669, 22.1377, 23.7007



18.6134, 17.3496, 18.8916

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.



23.1294, 22.1377, 21.3411



18.8669, 22.1377, 23.7007



22.9789, 22.1377, 27.8630

Square

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



18.8669, 22.1377, 23.7007



20.8999, 22.1377, 31.1523



23.3765, 22.1377, 24.5122



21.1832, 22.1377, 18.2084

Rectangle

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



18.8669, 22.1377, 23.7007



19.5221, 22.1377, 29.0980



23.3765, 22.1377, 24.5122



22.6372, 22.1377, 19.7172

Sweetspot

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



18.8675, 22.1386, 23.7012



38.6677, 42.0939, 45.6765



18.6763, 22.1712, 17.7633



8.9043, 9.7230, 10.5463



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.8675, 22.1386, 23.7012



32.3812, 38.9405, 41.4319



18.5792, 20.7986, 25.9581



4.7495, 5.2580, 5.6922



10.0562, 16.8053, 13.5472



0.0379, 0.0594, 0.0630

Inverse Universe

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



18.6134, 17.3496, 18.8916



31.8424, 28.7740, 31.2247



18.8417, 18.4336, 17.0332



4.7203, 4.7078, 5.1394



9.5173, 4.8713, 2.0303



0.0357, 0.0180, 0.0213

Previews

White Background



This preview shows how the XYZ color 18.8669, 22.1377, 23.7007 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 18.8669, 22.1377, 23.7007 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

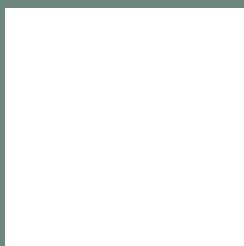
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8669, 22.1377, 23.7007

Background



This preview shows how black text looks on a background with the XYZ color 18.8669, 22.1377, 23.7007.



This preview shows how white text looks on a background with the XYZ color 18.8669, 22.1377,

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

18.8669, 22.1377, 23.7007

Protanopia

21.1612, 22.1423, 22.2274

Deuteranopia

22.3474, 21.9417, 24.1764



Tritanopia

20.0275, 22.2030, 29.2166

Trichromacy



Original Color

18.8669, 22.1377, 23.7007

Protanomaly

20.1302, 21.9984, 22.5872

Deuteranomaly

20.8660, 21.9526, 23.9064

Tritanomaly

19.6681, 22.2647, 27.3057

Monochromacy



Original Color

18.8669, 22.1377, 23.7007

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4268, 21.2259, 23.1518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8669, 22.1377, 23.7007 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, 135, 128)` looks like.

```
.text, #text, p{  
    color:rgb(109, 135, 128)  
}
```

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, 135, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 135, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.8669, 22.1377, 23.7007 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, 135, 128) }
```


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

```
.border{ border-color:rgb(109, 135, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 135, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 135, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 135, 128);  
box-shadow:4px 4px 4px 4px rgb(109, 135,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8669, 22.1377, 23.7007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 135, 128) }
```

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

```
.background{ background-color: rgb(109,  
135, 128) }
```

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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