

Converting Colors

XYZ(18.8402, 20.9005, 22.1961)

Have a look what the booklet for
XYZ(18.8402, 20.9005, 22.1961)
contains.

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Color

**XYZ(18.8245, 20.9377,
22.1180)**

Conversions

Conversions Part 1

Format	Color
Hex	75817C
RGB	117, 129, 124
RGB Percent	46%, 51%, 49%
CMY	0.5412, 0.4941, 0.5137
CMYK	0.09, 0.00, 0.04, 0.49
HSL	155°, 5%, 48%
HSV	155°, 9%, 51%
XYZ	18.8245, 20.9377, 22.1180
YIQ	124.8420, -5.5470, -4.0990

Conversions

Conversions Part 2

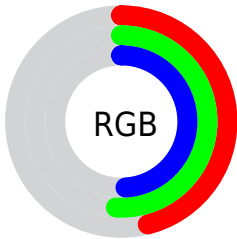
Format	Color
R_{YB}	117, 125, 129
Decimal	7700860
CIE Lab	52.88, -5.45, 1.19
CIE LCh	53, 5.580, 167.665
Yxy	20.9377, 0.3042, 0.3384
Android (android.graphics.Color)	4285890940 (0xFF75817C)
YUV	124.8420, -0.4151, -6.8774
Hunter-Lab	45.7577, -6.6420, 3.3713

Details

The XYZ color **18.8245, 20.9377, 22.1180** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9282, 18.7954, 21.0437**, and the grayscale version is **19.4431, 20.4556, 22.2762**.

A 20% lighter version of the original color is **40.9266, 45.0255, 47.6080**, and **6.5929, 7.5105, 7.7588** is the 20% darker color. If you saturate the color by 10%, you get **16.8786, 19.9733, 20.3004**, and if you desaturate by 10%, it is **21.0291, 22.0344, 24.0454**.

Distribution



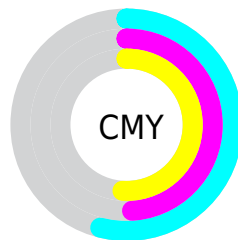
- Red (46%)
- Green (51%)
- Blue (49%)



- Red (46%)
- Yellow (49%)
- Blue (51%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (49%)



- Cyan (54%)
- Magenta (49%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8245, 20.9377, 22.1180 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 18.8245, 20.9377, 22.1180 by changing the saturation by 10% instead.

■ 18.8245, 20.9377,
22.1180

■ 18.8245, 20.9377,
22.1180

238.4349,
256.9472, 276.1355

■ 11.6468, 13.0785,
13.7445

■ 40.9565, 44.9838,
47.8456

■ 6.5741, 7.4826,
7.8065

■ 56.6415, 61.9395,
66.0368

■ 3.2412, 3.7657,
3.8854

■ 75.8930, 82.6961,
88.3377

■ 1.2825, 1.5434,
1.5627

99.0763, 107.6381,
115.1667

■ 0.1701, 0.3190,
0.2640

126.5568,
137.1498, 146.9425

■ 0.0000, 0.0000,
0.0000

158.6998,

171.6156, 184.0835

195.8708,
211.4200, 227.0083

■ 18.8245, 20.9377,
22.1180

■ 18.8245, 20.9377,
22.1180

■ 16.8786, 19.9733,
20.3004

■ 21.0291, 22.0344,
24.0454

■ 15.1795, 19.1335,
18.5891

■ 23.4999, 23.2657,
26.0831

■ 13.7171, 18.4137,
16.9827

■ 26.2467, 24.6369,
28.2335

■ 12.4801, 17.8080,
15.4789

■ 29.2777, 26.1525,
30.4984

■ 11.4559, 17.3100,
14.0755

■ 32.6013, 27.8166,
32.8796

■ 10.6307, 16.9127,
12.7702

■ 36.2252, 29.6332,
35.3787

■ 9.9892, 16.6081,
11.5606

■ 40.1570, 31.6062,
37.9976

■ 9.5134, 16.3870,
10.4439

■ 44.4039, 33.7393,
40.7378

■ 9.1530, 16.2236,
9.4160

■ 48.9728, 36.0361,
43.6010

Harmonies

Analogous

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



19.0827, 20.9377, 20.7012



18.8245, 20.9377, 22.1180



18.8505, 20.9377, 23.7867

Triad

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



18.8245, 20.9377, 22.1180



20.2431, 20.9377, 25.9987



20.6659, 20.9377, 20.5037

Complementary

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



18.8245, 20.9377, 22.1180



18.9282, 18.7954, 21.0437

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.



20.9891, 20.9377, 21.8363



18.8245, 20.9377, 22.1180



20.7417, 20.9377, 25.0310

Square

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



18.8245, 20.9377, 22.1180



19.6619, 20.9377, 26.0832



21.0171, 20.9377, 23.4910



20.1413, 20.9377, 19.8002

Rectangle

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



18.8245, 20.9377, 22.1180



19.0256, 20.9377, 24.8181



21.0171, 20.9377, 23.4910



20.8021, 20.9377, 20.8898

Sweetspot

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



18.8251, 20.9386, 22.1185



36.1147, 38.6896, 41.7350



19.1163, 21.1381, 19.9025



8.1084, 8.7244, 9.3891



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.



18.8251, 20.9386, 22.1185



32.9930, 37.1386, 38.9558



19.0446, 20.8584, 23.7923



4.3729, 4.8575, 5.1351



8.9023, 15.8075, 9.1244



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.9282, 18.7954, 21.0437



33.2136, 32.5541, 36.6569



18.7197, 18.8619, 19.4840



4.3963, 4.3717, 4.8915



9.4729, 4.8088, 3.8139



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8245, 20.9377, 22.1180 looks on a white background.

Color Contrast Check

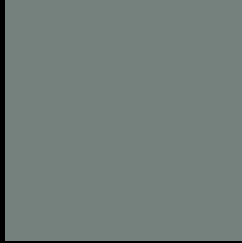
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8245, 20.9377, 22.1180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

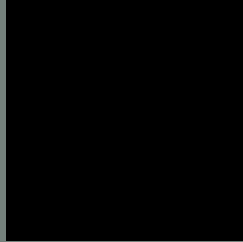
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8245, 20.9377, 22.1180

Background



This preview shows how black text looks on a background with the XYZ color 18.8245, 20.9377, 22.1180.



This preview shows how white text looks on a background with the XYZ color 18.8245, 20.9377,

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

18.8245, 20.9377, 22.1180

Protanopia

20.0270, 20.9940, 21.4091

Deuteranopia

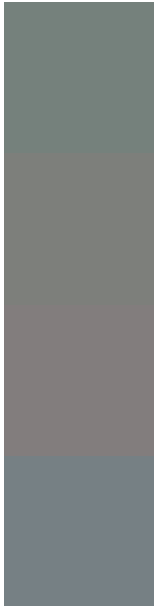
21.1424, 20.8030, 22.3031



Tritanopia

19.7125, 20.9068, 26.6634

Trichromacy



Original Color

18.8245, 20.9377, 22.1180

Protanomaly

19.6220, 20.9688, 21.7521

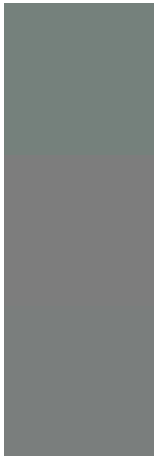
Deuteranomaly

20.2412, 20.8937, 22.3681

Tritanomaly

19.3552, 20.9558, 24.8545

Monochromacy



Original Color

18.8245, 20.9377, 22.1180

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.1886, 20.5400, 22.3553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8245, 20.9377, 22.1180 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, 129, 124)` looks like.

```
.text, #text, p{  
    color:rgb(117, 129, 124)  
}
```

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, 129, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 129, 124) }
```

Border

The CSS property to change the border of an element to XYZ 18.8245, 20.9377, 22.1180 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, 129, 124) }
```


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

```
.border{ border-color:rgb(117, 129, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 129, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 129, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 129, 124);  
box-shadow:4px 4px 4px 4px rgb(117, 129,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8245, 20.9377, 22.1180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 129, 124) }
```

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

```
.background{ background-color: rgb(117,  
129, 124) }
```

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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