

Converting Colors

XYZ(18.8888, 20.2552, 20.7577)

Have a look what the booklet for
XYZ(18.8888, 20.2552, 20.7577)
contains.

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Color

**XYZ(18.8922, 20.2343,
20.6792)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7D78
RGB	123, 125, 120
RGB Percent	48%, 49%, 47%
CMY	0.5176, 0.5098, 0.5294
CMYK	0.02, 0.00, 0.04, 0.51
HSL	84°, 2%, 48%
HSV	84°, 4%, 49%
XYZ	18.8922, 20.2343, 20.6792
YIQ	123.8320, 0.4130, -1.9790

Conversions

Conversions Part 2

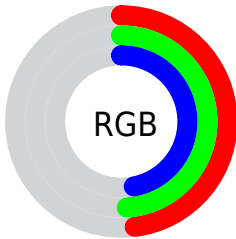
Format	Color
RYB	120, 125, 122
Decimal	8093048
CIELab	52.10, -1.74, 2.45
CIElCh	52, 3.008, 125.336
Yxy	20.2343, 0.3159, 0.3383
Android (android.graphics.Color)	4286283128 (0xFF7B7D78)
YUV	123.8320, -1.8892, -0.7297
Hunter-Lab	44.9826, -3.7513, 4.2312

Details

The XYZ color **18.8922, 20.2343, 20.6792** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.4450, 19.0518, 22.1083**, and the grayscale version is **19.1088, 20.1039, 21.8932**.

A 20% lighter version of the original color is **41.0460, 43.9333, 45.3463**, and **6.5782, 7.0926, 7.1532** is the 20% darker color. If you saturate the color by 10%, you get **17.4851, 19.5915, 16.9084**, and if you desaturate by 10%, it is **20.4361, 20.9373, 24.9743**.

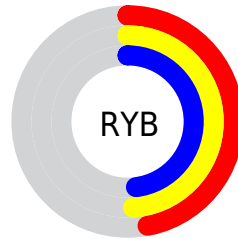
Distribution



Red (48%)

Green (49%)

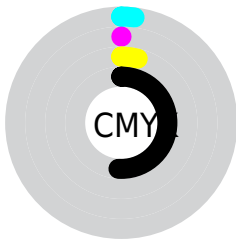
Blue (47%)



Red (47%)

Yellow (49%)

Blue (48%)

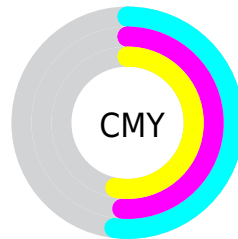


Cyan (2%)

Magenta (0%)

Yellow (4%)

Black (51%)



Cyan (52%)

Magenta (51%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8922, 20.2343, 20.6792 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 18.8922, 20.2343, 20.6792 by changing the saturation by 10% instead.

■ 18.8922, 20.2343,
20.6792

■ 18.8922, 20.2343,
20.6792

238.8025,
253.1807, 268.2935

■ 11.6960, 12.5655,
12.7008

■ 41.0701, 43.8097,
45.4269

■ 6.6077, 7.1300,
7.0945

■ 56.7826, 60.4850,
63.0332

■ 3.2621, 3.5435,
3.4419

■ 76.0644, 80.9312,
84.6858

■ 1.2939, 1.4217,
1.3245

99.2810, 105.5329,
110.8034

■ 0.1786, 0.2326,
0.0817

126.7978,
134.6742, 141.8044

■ 0.0000, 0.0000,
0.0000

158.9801,

168.7397, 178.1074

196.1932,
208.1138, 220.1309

■ 18.8922, 20.2343,
20.6792

■ 18.8922, 20.2343,
20.6792

■ 17.4851, 19.5915,
16.9084

■ 20.4361, 20.9373,
24.9743

■ 16.2088, 19.0046,
13.6405

■ 22.1192, 21.6997,
29.8114

■ 15.0592, 18.4724,
10.8546

■ 23.9460, 22.5239,
35.2089

■ 14.0314, 17.9930,
8.5278

■ 25.9204, 23.4115,
41.1841

■ 13.1201, 17.5642,
6.6352

■ 28.0459, 24.3640,
47.7534

■ 12.3197, 17.1835,
5.1500

■ 30.3260, 25.3829,
54.9326

■ 11.6237, 16.8485,
4.0418

■ 32.7641, 26.4696,
62.7369

■ 11.0250, 16.5562,
3.2763

■ 35.3634, 27.6254,
71.1810

■ 10.5143, 16.3028,
2.8079

■ 38.1271, 28.8516,
80.2792

Harmonies

Analogous

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



19.1772, 20.2343, 20.3886



18.8922, 20.2343, 20.6792



18.6998, 20.2343, 21.3327

Triad

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



18.8922, 20.2343, 20.6792



18.9865, 20.2343, 23.6064



19.8267, 20.2343, 21.8746

Complementary

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



18.8922, 20.2343, 20.6792



18.4450, 19.0518, 22.1083

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.



19.7744, 20.2343, 22.7458



18.8922, 20.2343, 20.6792



19.2871, 20.2343, 23.7608

Square

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



18.8922, 20.2343, 20.6792



18.7538, 20.2343, 23.0255



19.5760, 20.2343, 23.4419



19.7184, 20.2343, 21.0669

Rectangle

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



18.8922, 20.2343, 20.6792



18.6489, 20.2343, 21.8943



19.5760, 20.2343, 23.4419



19.8274, 20.2343, 22.1697

Sweetspot

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



18.8928, 20.2352, 20.6796



34.6276, 36.5975, 39.2204



18.8079, 19.6358, 20.5684



7.8811, 8.3267, 8.9340



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



18.8928, 20.2352, 20.6796



33.5364, 36.1001, 36.2284



18.5397, 20.0532, 20.6631



4.6333, 4.9953, 4.9846



10.6715, 16.8638, 2.6926



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.4450, 19.0518, 22.1083



32.5177, 33.4077, 39.4788



18.8035, 19.2366, 22.1251



4.4829, 4.5978, 5.4645



5.2306, 2.2501, 20.4086



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8922, 20.2343, 20.6792 looks on a white background.

Color Contrast Check

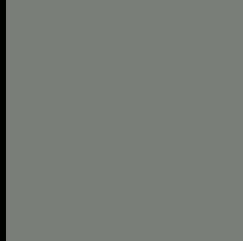
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8922, 20.2343, 20.6792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

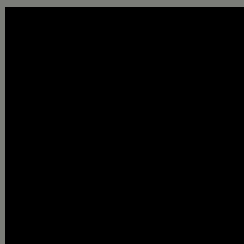
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

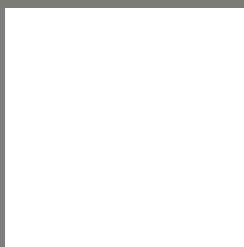
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8922, 20.2343, 20.6792

Background



This preview shows how black text looks on a background with the XYZ color 18.8922, 20.2343, 20.6792.



This preview shows how white text looks on a background with the XYZ color 18.8922, 20.2343,

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

18.8922, 20.2343, 20.6792

Protanopia

19.4395, 20.3364, 20.3535

Deuteranopia

20.4842, 20.1318, 20.8953



Tritanopia

19.7740, 20.2193, 25.0508

Trichromacy



Original Color

18.8922, 20.2343, 20.6792

Protanomaly

19.1416, 20.1828, 20.3396

Deuteranomaly

19.9264, 20.2051, 20.9389

Tritanomaly

19.4161, 20.2589, 23.3091

Monochromacy



Original Color

18.8922, 20.2343, 20.6792

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.0950, 20.1304, 21.6180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8922, 20.2343, 20.6792 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(123, 125, 120)` looks like.

```
.text, #text, p{  
    color:rgb(123, 125, 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(123, 125, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 125, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.8922, 20.2343, 20.6792 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(123, 125, 120) }
```


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

```
.border{ border-color:rgb(123, 125, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 125, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 125, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 125, 120);  
box-shadow:4px 4px 4px 4px rgb(123, 125,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8922, 20.2343, 20.6792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 125, 120) }
```

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

```
.background{ background-color: rgb(123,  
125, 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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