

Converting Colors

XYZ(18.4787, 21.1577, 20.6424)

Have a look what the booklet for
XYZ(18.4787, 21.1577, 20.6424)
contains.

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Color

**XYZ(18.5163, 21.2093,
20.5707)**

Conversions

Conversions Part 1

Format	Color
Hex	738377
RGB	115, 131, 119
RGB Percent	45%, 51%, 47%
CMY	0.5490, 0.4863, 0.5333
CMYK	0.12, 0.00, 0.09, 0.49
HSL	135°, 7%, 48%
HSV	135°, 12%, 51%
XYZ	18.5163, 21.2093, 20.5707
YIQ	124.8480, -5.6840, -7.1240

Conversions

Conversions Part 2

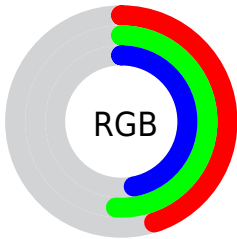
Format	Color
R_{YB}	115, 128, 131
Decimal	7570295
CIE _{Lab}	53.18, -8.33, 4.51
CIE _{LCh}	53, 9.472, 151.557
Yxy	21.2093, 0.3071, 0.3518
Android (android.graphics.Color)	4285760375 (0xFF738377)
YUV	124.8480, -2.8831, -8.6367
Hunter-Lab	46.0536, -8.8260, 5.7545

Details

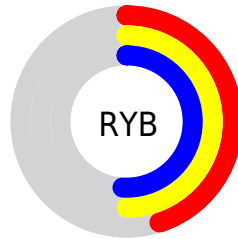
The XYZ color **18.5163, 21.2093, 20.5707** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3223, 18.6196, 22.6551**, and the grayscale version is **19.4531, 20.4662, 22.2876**.

A 20% lighter version of the original color is **40.4275, 45.4367, 45.1675**, and **6.4694, 7.6828, 7.1032** is the 20% darker color. If you saturate the color by 10%, you get **16.3547, 20.1603, 17.5470**, and if you desaturate by 10%, it is **20.9849, 22.4108, 23.9282**.

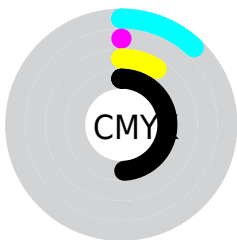
Distribution



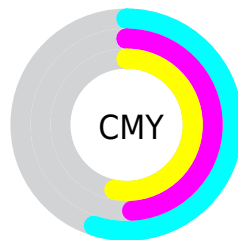
- Red (45%)
- Green (51%)
- Blue (47%)



- Red (45%)
- Yellow (50%)
- Blue (51%)



- Cyan (12%)
- Magenta (0%)
- Yellow (9%)
- Black (49%)



- Cyan (55%)
- Magenta (49%)
- Yellow (53%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5163, 21.2093, 20.5707 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 18.5163, 21.2093, 20.5707 by changing the saturation by 10% instead.

■ 18.5163, 21.2093,
20.5707

■ 18.5163, 21.2093,
20.5707

236.7550,
258.3887, 267.6938

■ 11.4232, 13.2771,
12.6224

■ 40.4384, 45.4356,
45.2434

■ 6.4216, 7.6196,
7.0414

■ 55.9981, 62.4985,
62.8049

■ 3.1462, 3.8525,
3.4092

■ 75.1107, 83.3737,
84.4079

■ 1.2315, 1.5914,
1.3072

■ 98.1416, 108.4457,
110.4709

■ 0.1311, 0.3518,
0.0676

125.4561,
138.0987, 141.4124

■ 0.0000, 0.0000,
0.0000

157.4196,

172.7173, 177.6511

194.3975,
212.6859, 219.6054

■ 18.5163, 21.2093,
20.5707

■ 18.5163, 21.2093,
20.5707

■ 16.3547, 20.1603,
17.5470

■ 20.9849, 22.4108,
23.9282

■ 14.4863, 19.2549,
14.8454

■ 23.7703, 23.7677,
27.6278

■ 12.8987, 18.4877,
12.4558

■ 26.8838, 25.2863,
31.6794

■ 11.5780, 17.8517,
10.3668

■ 30.3358, 26.9718,
36.0919

■ 10.5090, 17.3394,
8.5665

■ 34.1361, 28.8290,
40.8739

■ 9.6751, 16.9424,
7.0420

■ 38.2942, 30.8627,
46.0340

■ 9.0575, 16.6513,
5.7795

■ 42.8192, 33.0773,
51.5801

■ 8.6341, 16.4551,
4.7642

■ 47.7199, 35.4773,
57.5201

■ 8.3877, 16.3418,
4.1326

■ 53.0046, 38.0668,
63.8616

Harmonies

Analogous

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



19.1700, 21.2093, 18.7151



18.5163, 21.2093, 20.5707



18.2987, 21.2093, 23.2432

Triad

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



18.5163, 21.2093, 20.5707



20.2111, 21.2093, 29.0415



21.8406, 21.2093, 20.3319

Complementary

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



18.5163, 21.2093, 20.5707



19.3223, 18.6196, 22.6551

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.



22.1409, 21.2093, 22.9441



18.5163, 21.2093, 20.5707



21.1810, 21.2093, 28.1061

Square

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



18.5163, 21.2093, 20.5707



19.2576, 21.2093, 28.2769



21.8957, 21.2093, 25.8142



21.0877, 21.2093, 18.5854

Rectangle

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



18.5163, 21.2093, 20.5707



18.4243, 21.2093, 25.1745



21.8957, 21.2093, 25.8142



21.9989, 21.2093, 21.1301

Sweetspot

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



18.5169, 21.2102, 20.5712



36.7054, 39.7065, 41.6735



20.0038, 22.0039, 19.4128



8.4742, 9.2096, 9.6057



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.5169, 21.2102, 20.5712



31.8880, 37.3640, 35.0780



19.0006, 21.4037, 23.1184



4.6605, 5.2225, 5.2237



8.2570, 16.0856, 4.0728



0.0312, 0.0568, 0.0276

Inverse Universe

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



19.3223, 18.6196, 22.6551



33.6623, 31.6563, 39.6685



18.8373, 18.4256, 20.1010



4.8095, 4.7435, 5.6090



11.3965, 5.6230, 11.9264



0.0424, 0.0206, 0.0567

Previews

White Background



This preview shows how the XYZ color 18.5163, 21.2093, 20.5707 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 18.5163, 21.2093, 20.5707 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 18.5163, 21.2093, 20.5707

Background



This preview shows how black text looks on a background with the XYZ color 18.5163, 21.2093, 20.5707.



This preview shows how white text looks on a background with the XYZ color 18.5163, 21.2093,

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

18.5163, 21.2093, 20.5707

Protanopia

19.9733, 21.0080, 19.5252

Deuteranopia

21.3952, 20.9623, 21.0076



Tritanopia

19.7778, 21.1249, 27.0799

Trichromacy



Original Color

18.5163, 21.2093, 20.5707

Protanomaly

19.3875, 21.0827, 19.8772

Deuteranomaly

20.2395, 20.9288, 20.7422

Tritanomaly

19.2831, 21.1211, 24.5332

Monochromacy



Original Color

18.5163, 21.2093, 20.5707

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.0497, 20.6738, 21.7253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5163, 21.2093, 20.5707 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(115, 131, 119)` looks like.

```
.text, #text, p{  
    color:rgb(115, 131, 119)  
}
```

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(115, 131, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 131, 119) }
```

Border

The CSS property to change the border of an element to XYZ 18.5163, 21.2093, 20.5707 is called "border". The border property can be set on classes, ids or directly on the HTML element.

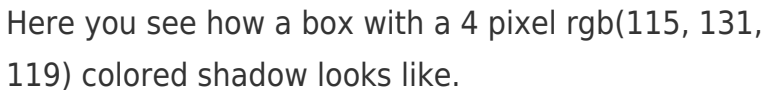
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 131, 119) }
```


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

```
.border{ border-color:rgb(115, 131, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 131, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 131, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 131, 119); box-shadow:4px 4px 4px 4px rgb(115, 131, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5163, 21.2093, 20.5707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 131, 119) }
```

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

```
.background{ background-color: rgb(115,  
131, 119) }
```

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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