

Converting Colors

XYZ(18.6783, 21.3599, 21.0437)

Have a look what the booklet for
XYZ(18.6783, 21.3599, 21.0437)
contains.

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Color

**XYZ(18.5767, 21.2335,
20.8887)**

Conversions

Conversions Part 1

Format	Color
Hex	738378
RGB	115, 131, 120
RGB Percent	45%, 51%, 47%
CMY	0.5490, 0.4863, 0.5294
CMYK	0.12, 0.00, 0.08, 0.49
HSL	139°, 7%, 48%
HSV	139°, 12%, 51%
XYZ	18.5767, 21.2335, 20.8887
YIQ	124.9620, -6.0050, -6.8130

Conversions

Conversions Part 2

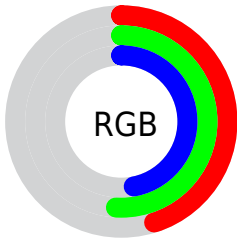
Format	Color
R_{YB}	115, 127, 131
Decimal	7570296
CIE _{Lab}	53.20, -8.13, 3.97
CIE _{LCh}	53, 9.045, 153.975
Yxy	21.2335, 0.3060, 0.3498
Android (android.graphics.Color)	4285760376 (0xFF738378)
YUV	124.9620, -2.4463, -8.7367
Hunter-Lab	46.0798, -8.6789, 5.3788

Details

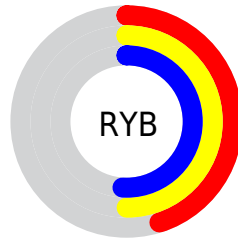
The XYZ color **18.5767, 21.2335, 20.8887** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.2575, 18.5936, 22.3136**, and the grayscale version is **19.4901, 20.5051, 22.3301**.

A 20% lighter version of the original color is **40.5232, 45.4750, 45.6715**, and **6.5017, 7.6958, 7.2736** is the 20% darker color. If you saturate the color by 10%, you get **16.4539, 20.2000, 18.0690**, and if you desaturate by 10%, it is **20.9970, 22.4156, 23.9916**.

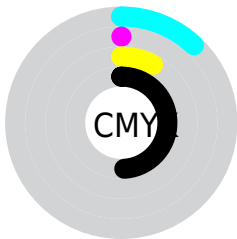
Distribution



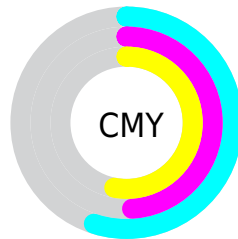
- Red (45%)
- Green (51%)
- Blue (47%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (8%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5767, 21.2335, 20.8887 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 18.5767, 21.2335, 20.8887 by changing the saturation by 10% instead.

■ 18.5767, 21.2335,
20.8887

■ 18.5767, 21.2335,
20.8887

237.0851,
258.5168, 269.4480

■ 11.4670, 13.2948,
12.8522

■ 40.5400, 45.4758,
45.7806

■ 6.4515, 7.6319,
7.1973

■ 56.1243, 62.5482,
63.4731

■ 3.1647, 3.8603,
3.5055

■ 75.2643, 83.4340,
85.2214

■ 1.2415, 1.5957,
1.3582

■ 98.3251, 108.5175,
111.4440

■ 0.1387, 0.3547,
0.1088

125.6723,
138.1831, 142.5594

■ 0.0000, 0.0000,
0.0000

157.6711,

172.8153, 178.9861

194.6869,
212.7984, 221.1428

■ 18.5767, 21.2335,
20.8887

■ 18.5767, 21.2335,
20.8887

■ 16.4539, 20.2000,
18.0690

■ 20.9970, 22.4156,
23.9916

■ 14.6150, 19.3064,
15.5233

■ 23.7240, 23.7492,
27.3840

■ 13.0483, 18.5476,
13.2437

■ 26.7688, 25.2404,
31.0737

■ 11.7403, 17.9167,
11.2216

■ 30.1413, 26.8940,
35.0676

■ 10.6764, 17.4064,
9.4477

■ 33.8510, 28.7150,
39.3726

■ 9.8405, 17.0086,
7.9124

■ 37.9071, 30.7079,
43.9953

■ 9.2143, 16.7141,
6.6052

■ 42.3183, 32.8770,
48.9421

■ 8.7768, 16.5122,
5.5151

■ 47.0931, 35.2266,
54.2191

■ 8.5158, 16.3930,
4.8072

■ 52.2395, 37.7608,
59.8324

Harmonies

Analogous

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



19.1732, 21.2335, 19.0280



18.5767, 21.2335, 20.8887



18.4053, 21.2335, 23.4860

Triad

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



18.5767, 21.2335, 20.8887



20.3093, 21.2335, 28.7712



21.7428, 21.2335, 20.3043

Complementary

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



18.5767, 21.2335, 20.8887



19.2575, 18.5936, 22.3136

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.



22.0691, 21.2335, 22.7571



18.5767, 21.2335, 20.8887



21.2252, 21.2335, 27.7595

Square

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



18.5767, 21.2335, 20.8887



19.3870, 21.2335, 28.1732



21.8768, 21.2335, 25.5041



20.9981, 21.2335, 18.7097

Rectangle

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



18.5767, 21.2335, 20.8887



18.5504, 21.2335, 25.3225



21.8768, 21.2335, 25.5041



21.9061, 21.2335, 21.0485

Sweetspot

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



18.5773, 21.2344, 20.8892



36.7446, 39.7221, 41.8797



19.8453, 21.9223, 19.4054



8.4847, 9.2139, 9.6613



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.



18.5773, 21.2344, 20.8892



32.0197, 37.4167, 35.7713



19.0704, 21.4316, 23.4856



4.6718, 5.2270, 5.2830



8.3832, 16.1361, 4.7375



0.0320, 0.0571, 0.0322

Inverse Universe

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



19.2575, 18.5936, 22.3136



33.5181, 31.5986, 38.9088



18.7734, 18.4000, 19.7644



4.7976, 4.7387, 5.5464



11.0342, 5.4780, 10.0183



0.0415, 0.0203, 0.0521

Previews

White Background



This preview shows how the XYZ color 18.5767, 21.2335, 20.8887 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 18.5767, 21.2335, 20.8887 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

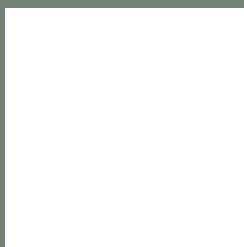
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5767, 21.2335, 20.8887

Background



This preview shows how black text looks on a background with the XYZ color 18.5767, 21.2335, 20.8887.



This preview shows how white text looks on a background with the XYZ color 18.5767, 21.2335,

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

18.5767, 21.2335, 20.8887

Protanopia

20.0318, 21.0314, 19.8333

Deuteranopia

21.5803, 21.2338, 21.3735



Tritanopia

19.7778, 21.1249, 27.0799

Trichromacy



Original Color

18.5767, 21.2335, 20.8887

Protanomaly

19.4466, 21.1063, 20.1885

Deuteranomaly

20.4278, 21.2077, 21.1060

Tritanomaly

19.2831, 21.1211, 24.5332

Monochromacy



Original Color

18.5767, 21.2335, 20.8887

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 18.5767, 21.2335, 20.8887 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(115, 131, 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(115, 131, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 131, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.5767, 21.2335, 20.8887 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, 120) }
```


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

```
.border{ border-color:rgb(115, 131, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 131, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 131, 120);  
box-shadow:4px 4px 4px 4px rgb(115, 131,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5767, 21.2335, 20.8887 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, 120) }
```

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

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