

Converting Colors

XYZ(20.3727, 21.6171, 18.7216)

Have a look what the booklet for
XYZ(20.3727, 21.6171, 18.7216)
contains.

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Color

**XYZ(20.3727, 21.6171,
18.7216)**

Conversions

Conversions Part 1

Format	Color
Hex	858071
RGB	133, 128, 113
RGB Percent	52%, 50%, 44%
CMY	0.4784, 0.4980, 0.5569
CMYK	0.00, 0.04, 0.15, 0.48
HSL	45°, 8%, 48%
HSV	45°, 15%, 52%
XYZ	20.3727, 21.6171, 18.7216
YIQ	127.7850, 7.7950, -3.6050

Conversions

Conversions Part 2

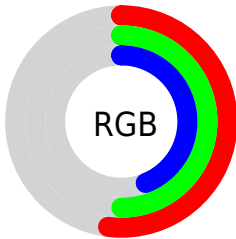
Format	Color
R_{YB}	120, 133, 113
Decimal	8749169
CIE Lab	53.62, -0.85, 8.82
CIE LCh	54, 8.859, 95.493
Yxy	21.6171, 0.3356, 0.3561
Android (android.graphics.Color)	4286939249 (0xFF858071)
YUV	127.7850, -7.2890, 4.5736
Hunter-Lab	46.4942, -3.1502, 8.6719

Details

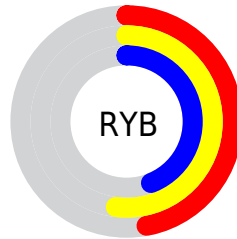
The XYZ color **20.3727, 21.6171, 18.7216** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.5222, 18.1609, 24.7725**, and the grayscale version is **20.4663, 21.5322, 23.4486**.

A 20% lighter version of the original color is **43.5651, 46.2035, 42.2193**, and **7.3174, 7.8126, 6.1233** is the 20% darker color. If you saturate the color by 10%, you get **19.2519, 20.4872, 14.9206**, and if you desaturate by 10%, it is **21.6186, 22.8213, 23.1063**.

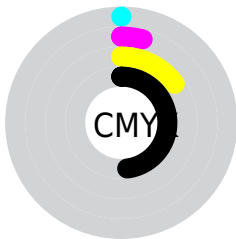
Distribution



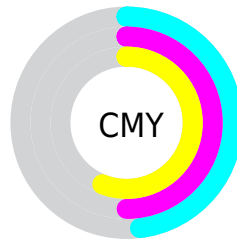
- Red (52%)
- Green (50%)
- Blue (44%)



- Red (47%)
- Yellow (52%)
- Blue (44%)



- Cyan (0%)
- Magenta (4%)
- Yellow (15%)
- Black (48%)



- Cyan (48%)
- Magenta (50%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3727, 21.6171, 18.7216 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 20.3727, 21.6171, 18.7216 by changing the saturation by 10% instead.

■ 20.3727, 21.6171,
18.7216

■ 20.3727, 21.6171,
18.7216

246.7210,
260.5401, 257.2788

■ 12.7761, 13.5758,
11.2945

■ 43.5404, 46.1123,
42.0935

■ 7.3505, 7.8262,
6.1486

■ 59.8421, 63.3351,
58.8755

■ 3.7305, 3.9840,
2.8654

■ 79.7763, 84.3871,
79.6128

■ 1.5508, 1.6646,
1.0263

■ 103.7082,
109.6528, 104.7240

■ 0.3600, 0.4006,
0.0000

132.0033,
139.5165, 134.6277

■ 0.0000, 0.0000,
0.0000

165.0269,

174.3627, 169.7424

203.1443,
214.5758, 210.4865

■ 20.3727, 21.6171,
18.7216

■ 20.3727, 21.6171,
18.7216

■ 19.2519, 20.4872,
14.9206

■ 21.6186, 22.8213,
23.1063

■ 18.2496, 19.4264,
11.6769

■ 22.9925, 24.0988,
28.0968

■ 17.3612, 18.4335,
8.9639

■ 24.4993, 25.4527,
33.7160

■ 16.5809, 17.5059,
6.7525

■ 26.1432, 26.8848,
39.9848

■ 15.9027, 16.6410,
5.0107

■ 27.9281, 28.3968,
46.9235

■ 15.3194, 15.8357,
3.7028

■ 29.8577, 29.9904,
54.5512

■ 14.8233, 15.0867,
2.7879

■ 31.9357, 31.6674,
62.8866

■ 14.4032, 14.3892,
2.2078

■ 34.1657, 33.4292,
71.9473

■ 14.2077, 14.0560,
1.9643

■ 36.5508, 35.2776,
81.7506

Harmonies

Analogous

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



21.3105, 21.6171, 19.1067



20.3727, 21.6171, 18.7216



19.5079, 21.6171, 19.5441

Triad

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



20.3727, 21.6171, 18.7216



19.1002, 21.6171, 26.6947



22.2470, 21.6171, 25.7659

Complementary

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



20.3727, 21.6171, 18.7216



17.5222, 18.1609, 24.7725

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.



21.6211, 21.6171, 28.0405



20.3727, 21.6171, 18.7216



19.8008, 21.6171, 28.6049

Square

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



20.3727, 21.6171, 18.7216



18.7878, 21.6171, 24.0398



20.7211, 21.6171, 29.1153



22.4115, 21.6171, 23.0420

Rectangle

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



20.3727, 21.6171, 18.7216



19.0831, 21.6171, 20.7068



20.7211, 21.6171, 29.1153



22.0827, 21.6171, 26.6148

Sweetspot

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



20.3733, 21.6181, 18.7221



38.6962, 40.8508, 41.3141



18.8483, 18.1052, 19.6411



8.6866, 9.1736, 9.1957



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.



20.3733, 21.6181, 18.7221



35.7825, 38.0159, 31.1171



20.2706, 22.5568, 18.9087



4.9438, 5.2312, 4.9785



13.5395, 13.4015, 1.8731



0.0527, 0.0580, 0.0084

Inverse Universe

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



17.5222, 18.1609, 24.7725



29.6736, 30.6088, 44.0825



17.6103, 17.3556, 24.6124



4.5221, 4.7198, 5.8734



4.5627, 2.6731, 21.4122



0.0209, 0.0194, 0.0759

Previews

White Background



This preview shows how the XYZ color 20.3727, 21.6171, 18.7216 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 20.3727, 21.6171, 18.7216 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 20.3727, 21.6171, 18.7216

Background



This preview shows how black text looks on a background with the XYZ color 20.3727, 21.6171, 18.7216.



This preview shows how white text looks on a background with the XYZ color 20.3727, 21.6171,

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

20.3727, 21.6171, 18.7216

Protanopia

20.5313, 21.6989, 18.7290

Deuteranopia

21.9743, 21.4918, 18.9098



Tritanopia

21.8601, 21.6507, 25.9485

Trichromacy



Original Color

20.3727, 21.6171, 18.7216

Protanomaly

20.5313, 21.6989, 18.7290

Deuteranomaly

21.3554, 21.5449, 18.9526

Tritanomaly

21.2833, 21.6049, 23.1271

Monochromacy



Original Color

20.3727, 21.6171, 18.7216

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5002, 21.6142, 21.8304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3727, 21.6171, 18.7216 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(133, 128, 113)` looks like.

```
.text, #text, p{  
    color:rgb(133, 128, 113)  
}
```

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(133, 128, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 128, 113) }
```

Border

The CSS property to change the border of an element to XYZ 20.3727, 21.6171, 18.7216 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(133, 128, 113) }
```


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

```
.border{ border-color:rgb(133, 128, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 128, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 128, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 128, 113);  
box-shadow:4px 4px 4px 4px rgb(133, 128,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3727, 21.6171, 18.7216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 128, 113) }
```

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

```
.background{ background-color: rgb(133,  
128, 113) }
```

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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