

Converting Colors

XYZ(20.2345, 21.2635, 16.9949)

Have a look what the booklet for
XYZ(20.2345, 21.2635, 16.9949)
contains.

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Color

**XYZ(20.1064, 21.1341,
16.9295)**

Conversions

Conversions Part 1

Format	Color
Hex	877E6B
RGB	135, 126, 107
RGB Percent	53%, 49%, 42%
CMY	0.4706, 0.5059, 0.5804
CMYK	0.00, 0.07, 0.21, 0.47
HSL	41°, 12%, 47%
HSV	41°, 21%, 53%
XYZ	20.1064, 21.1341, 16.9295
YIQ	126.5250, 11.4630, -4.0010

Conversions

Conversions Part 2

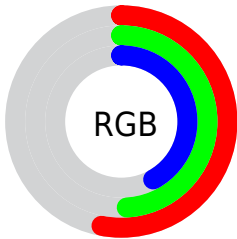
Format	Color
RYB	120, 135, 107
Decimal	8879723
CIELab	53.10, 0.09, 11.59
CIELCh	53, 11.586, 89.534
Yxy	21.1341, 0.3456, 0.3633
Android (android.graphics.Color)	4287069803 (0xFF877E6B)
YUV	126.5250, -9.6258, 7.4326
Hunter-Lab	45.9718, -2.3814, 10.3463

Details

The XYZ color **20.1064, 21.1341, 16.9295** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6820, 17.3656, 25.3946**, and the grayscale version is **20.0397, 21.0833, 22.9597**.

A 20% lighter version of the original color is **43.0307, 45.4002, 38.8429**, and **7.2158, 7.5653, 5.3549** is the 20% darker color. If you saturate the color by 10%, you get **18.9083, 19.7871, 13.2954**, and if you desaturate by 10%, it is **21.4406, 22.5755, 21.1567**.

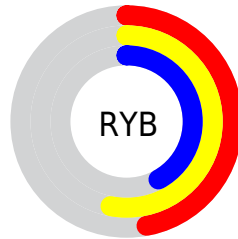
Distribution



Red (53%)

Green (49%)

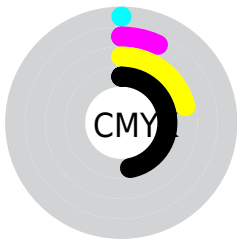
Blue (42%)



Red (47%)

Yellow (53%)

Blue (42%)

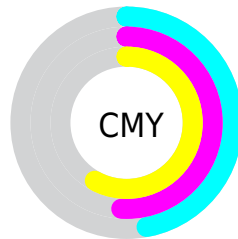


Cyan (0%)

Magenta (7%)

Yellow (21%)

Black (47%)



Cyan (47%)

Magenta (51%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1064, 21.1341, 16.9295 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 20.1064, 21.1341, 16.9295 by changing the saturation by 10% instead.

■ 20.1064, 21.1341,
16.9295

■ 20.1064, 21.1341,
16.9295

245.3131,
257.9903, 246.7960

■ 12.5811, 13.2221,
10.0228

■ 43.0981, 45.3106,
38.9935

■ 7.2157, 7.5816,
5.3083

■ 59.2952, 62.3439,
54.9879

■ 3.6449, 3.8284,
2.3674

■ 79.1136, 83.1863,
74.8486

■ 1.5033, 1.5781,
0.7686

■ 102.9188,
108.2224, 98.9942

■ 0.3281, 0.3427,
0.0000

131.0759,
137.8364, 127.8432

■ 0.0000, 0.0000,
0.0000

163.9505,

172.4128, 161.8141

201.9077,
212.3360, 201.3255

■ 20.1064, 21.1341,
16.9295

■ 20.1064, 21.1341,
16.9295

■ 18.9083, 19.7871,
13.2954

■ 21.4406, 22.5755,
21.1567

■ 17.8392, 18.5290,
10.2258

■ 22.9143, 24.1109,
26.0009

■ 16.8939, 17.3580,
7.6920

■ 24.5329, 25.7437,
31.4865

■ 16.0658, 16.2708,
5.6621

■ 26.3009, 27.4762,
37.6361

■ 15.3482, 15.2644,
4.1006

■ 28.2228, 29.3105,
44.4712

■ 14.7329, 14.3349,
2.9677

■ 30.3026, 31.2489,
52.0124

■ 14.2110, 13.4782,
2.2166

■ 32.5443, 33.2932,
60.2792

■ 13.7860, 12.7394,
1.7323

■ 34.9518, 35.4454,
69.2906

■ 37.5288, 37.7075,
79.0649

Harmonies

Analogous

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



21.2996, 21.1341, 17.6961



20.1064, 21.1341, 16.9295



18.9537, 21.1341, 17.6503

Triad

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



20.1064, 21.1341, 16.9295



18.1159, 21.1341, 26.4822



22.1765, 21.1341, 26.5862

Complementary

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



20.1064, 21.1341, 16.9295



16.6820, 17.3656, 25.3946

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.



21.2652, 21.1341, 29.3612



20.1064, 21.1341, 16.9295



18.9220, 21.1341, 29.2970

Square

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



20.1064, 21.1341, 16.9295



17.8331, 21.1341, 22.9569



20.0683, 21.1341, 30.3992



22.5239, 21.1341, 23.0661

Rectangle

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



20.1064, 21.1341, 16.9295



18.3561, 21.1341, 18.9234



20.0683, 21.1341, 30.3992



21.9242, 21.1341, 27.6496

Sweetspot

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



20.1070, 21.1350, 16.9299



39.5794, 41.6730, 41.7428



18.4215, 16.9353, 18.9231



9.1331, 9.6165, 9.5589



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.1070, 21.1350, 16.9299



34.9432, 36.6647, 27.0516



20.5752, 23.1620, 17.2965



4.9169, 5.1774, 4.9696



12.7246, 11.7718, 1.6015



0.0507, 0.0540, 0.0078

Inverse Universe

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



16.6820, 17.3656, 25.3946



27.6353, 28.6230, 45.1166



16.2709, 15.6879, 25.0925



4.5476, 4.7709, 5.8819



4.8532, 3.2542, 21.5090



0.0229, 0.0234, 0.0765

Previews

White Background



This preview shows how the XYZ color 20.1064, 21.1341, 16.9295 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 20.1064, 21.1341, 16.9295 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

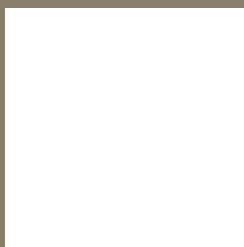
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1064, 21.1341, 16.9295

Background



This preview shows how black text looks on a background with the XYZ color 20.1064, 21.1341, 16.9295.



This preview shows how white text looks on a background with the XYZ color 20.1064, 21.1341,

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

20.1064, 21.1341, 16.9295

Protanopia

19.9462, 21.0516, 16.9220

Deuteranopia

21.5204, 21.1128, 17.1283



Tritanopia

21.6056, 20.9883, 24.7422

Trichromacy



Original Color

20.1064, 21.1341, 16.9295

Protanomaly

19.9462, 21.0516, 16.9220

Deuteranomaly

20.9451, 20.9994, 17.1367

Tritanomaly

20.9746, 20.9143, 21.6703

Monochromacy



Original Color

20.1064, 21.1341, 16.9295

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.1855, 21.2806, 20.8130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1064, 21.1341, 16.9295 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(135, 126, 107)` looks like.

```
.text, #text, p{  
    color:rgb(135, 126, 107)  
}
```

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(135, 126, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 126, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.1064, 21.1341, 16.9295 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(135, 126, 107) }
```


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

```
.border{ border-color:rgb(135, 126, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 126, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 126, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 126, 107);  
box-shadow:4px 4px 4px 4px rgb(135, 126,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1064, 21.1341, 16.9295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 126, 107) }
```

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

```
.background{ background-color: rgb(135,  
126, 107) }
```

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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