

Converting Colors

XYZ(20.5871, 21.1136, 19.9994)

Have a look what the booklet for
XYZ(20.5871, 21.1136, 19.9994)
contains.

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Color

**XYZ(20.5953, 21.1261,
20.1318)**

Conversions

Conversions Part 1

Format	Color
Hex	877D76
RGB	135, 125, 118
RGB Percent	53%, 49%, 46%
CMY	0.4706, 0.5098, 0.5373
CMYK	0.00, 0.07, 0.13, 0.47
HSL	25°, 7%, 50%
HSV	25°, 13%, 53%
XYZ	20.5953, 21.1261, 20.1318
YIQ	127.1920, 8.2070, -0.0570

Conversions

Conversions Part 2

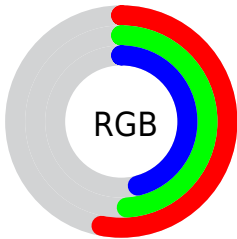
Format	Color
RYB	135, 130, 118
Decimal	8879478
CIELab	53.09, 2.53, 5.18
CIELCh	53, 5.761, 63.981
Yxy	21.1261, 0.3330, 0.3416
Android (android.graphics.Color)	4287069558 (0xFF877D76)
YUV	127.1920, -4.5317, 6.8476
Hunter-Lab	45.9631, -0.4527, 6.2052

Details

The XYZ color **20.5953, 21.1261, 20.1318** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.5635, 21.0388, 25.9517**, and the grayscale version is **20.2523, 21.3070, 23.2034**.

A 20% lighter version of the original color is **43.9151, 45.4344, 44.4854**, and **7.4362, 7.5424, 6.8582** is the 20% darker color. If you saturate the color by 10%, you get **18.8847, 18.8981, 15.8829**, and if you desaturate by 10%, it is **22.5022, 23.5626, 25.0132**.

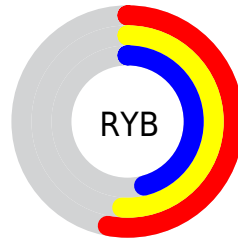
Distribution



Red (53%)

Green (49%)

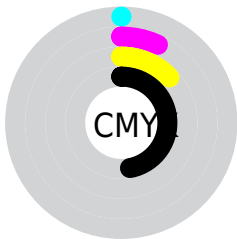
Blue (46%)



Red (53%)

Yellow (51%)

Blue (46%)

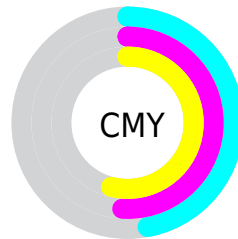


Cyan (0%)

Magenta (7%)

Yellow (13%)

Black (47%)



Cyan (47%)

Magenta (51%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5953, 21.1261, 20.1318 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 20.5953, 21.1261, 20.1318 by changing the saturation by 10% instead.

■ 20.5953, 21.1261,
20.1318

■ 20.5953, 21.1261,
20.1318

247.8925,
257.9479, 265.2555

■ 12.9393, 13.2162,
12.3059

■ 43.9094, 45.2973,
44.4999

■ 7.4635, 7.5776,
6.8273

■ 60.2982, 62.3274,
61.8792

■ 3.8025, 3.8259,
3.2775

■ 80.3286, 83.1664,
83.2800

■ 1.5910, 1.5766,
1.2380

104.3660,
108.1986, 109.1208

■ 0.3865, 0.3418,
0.0102

132.7757,
137.8085, 139.8202

■ 0.0000, 0.0000,
0.0000

165.9231,

172.3804, 175.7968

204.1736,
212.2987, 217.4691

■ 20.5953, 21.1261,
20.1318

■ 20.5953, 21.1261,
20.1318

■ 18.8847, 18.8981,
15.8829

■ 22.5022, 23.5626,
25.0132

■ 17.3621, 16.8702,
12.2389

■ 24.6102, 26.2103,
30.5505

■ 16.0208, 15.0373,
9.1723

■ 26.9258, 29.0752,
36.7673

■ 14.8532, 13.3931,
6.6529

■ 29.4548, 32.1625,
43.6859

■ 13.8511, 11.9310,
4.6474

■ 32.2028, 35.4770,
51.3274

■ 13.0054, 10.6438,
3.1193

■ 35.1752, 39.0235,
59.7120

■ 12.3060, 9.5239,
2.0269

■ 38.3771, 42.8063,
68.8593

■ 11.7415, 8.5628,
1.3211

■ 41.8135, 46.8301,
78.7879

■ 11.3870, 7.9414,
0.9327

■ 45.4892, 51.0990,
89.5160

Harmonies

Analogous

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



21.0617, 21.1261, 21.1872



20.5953, 21.1261, 20.1318



19.9989, 21.1261, 19.8312

Triad

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



20.5953, 21.1261, 20.1318



18.9394, 21.1261, 23.2353



20.7382, 21.1261, 25.8829

Complementary

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



20.5953, 21.1261, 20.1318



19.5635, 21.0388, 25.9517

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.



20.1608, 21.1261, 26.4956



20.5953, 21.1261, 20.1318



19.1288, 21.1261, 24.9191

Square

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



20.5953, 21.1261, 20.1318



19.0505, 21.1261, 21.5695



19.5728, 21.1261, 26.1344



21.1453, 21.1261, 24.4981

Rectangle

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



20.5953, 21.1261, 20.1318



19.6098, 21.1261, 20.0860



19.5728, 21.1261, 26.1344



20.5571, 21.1261, 26.1890

Sweetspot

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



20.5959, 21.1270, 20.1323



39.7629, 41.5187, 43.4110



20.3798, 19.6719, 23.2144



9.1531, 9.5447, 9.9100



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.



20.5959, 21.1270, 20.1323



36.0079, 36.7026, 33.8542



21.6906, 23.3165, 20.4972



4.8185, 4.9805, 4.9367



10.5128, 7.3481, 0.8642



0.0433, 0.0393, 0.0053

Inverse Universe

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



19.5635, 21.0388, 25.9517



33.7973, 36.5134, 46.3149



18.5251, 18.9620, 25.6056



4.6450, 4.9657, 5.9144



6.6504, 6.8486, 22.1081



0.0302, 0.0381, 0.0790

Previews

White Background



This preview shows how the XYZ color 20.5953, 21.1261, 20.1318 looks on a white background.

Color Contrast Check

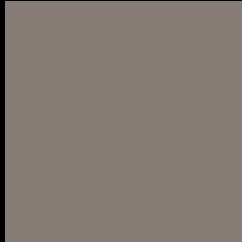
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5953, 21.1261, 20.1318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

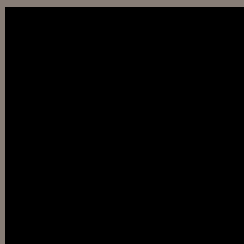
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

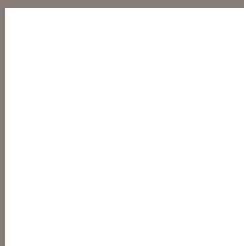
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5953, 21.1261, 20.1318

Background



This preview shows how black text looks on a background with the XYZ color 20.5953, 21.1261, 20.1318.



This preview shows how white text looks on a background with the XYZ color 20.5953, 21.1261,

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

20.5953, 21.1261, 20.1318

Protanopia

20.1507, 21.0789, 20.4593

Deuteranopia

21.4446, 21.0018, 20.3763



Tritanopia

21.5643, 21.1502, 24.7756

Trichromacy



Original Color

20.5953, 21.1261, 20.1318

Protanomaly

20.3063, 21.1592, 20.4666

Deuteranomaly

21.0602, 20.9868, 20.3936

Tritanomaly

21.1918, 21.1818, 23.0503

Monochromacy



Original Color

20.5953, 21.1261, 20.1318

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.3049, 21.1228, 22.0757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5953, 21.1261, 20.1318 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, 125, 118)` looks like.

```
.text, #text, p{  
    color:rgb(135, 125, 118)  
}
```

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, 125, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 125, 118) }
```

Border

The CSS property to change the border of an element to XYZ 20.5953, 21.1261, 20.1318 is called "border". The border property can be set on classes, ids or directly on the HTML element.

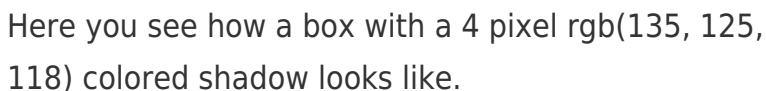
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 125, 118) }
```


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

```
.border{ border-color:rgb(135, 125, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 125, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 125, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 125, 118); box-shadow:4px 4px 4px 4px rgb(135, 125, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5953, 21.1261, 20.1318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 125, 118) }
```

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

```
.background{ background-color: rgb(135,  
125, 118) }
```

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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