

Converting Colors

XYZ(20.3181, 20.5726, 19.7593)

Have a look what the booklet for
XYZ(20.3181, 20.5726, 19.7593)
contains.

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Color

**XYZ(20.2855, 20.6012,
19.7369)**

Conversions

Conversions Part 1

Format	Color
Hex	877B75
RGB	135, 123, 117
RGB Percent	53%, 48%, 46%
CMY	0.4706, 0.5176, 0.5412
CMYK	0.00, 0.09, 0.13, 0.47
HSL	20°, 7%, 49%
HSV	20°, 13%, 53%
XYZ	20.2855, 20.6012, 19.7369
YIQ	125.9040, 9.0780, 0.6780

Conversions

Conversions Part 2

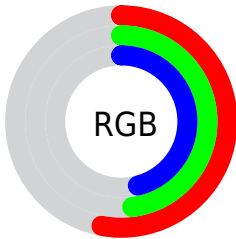
Format	Color
R_{YB}	135, 126, 117
Decimal	8878965
CIE Lab	52.51, 3.50, 4.93
CIE LCh	53, 6.049, 54.635
Yxy	20.6012, 0.3346, 0.3398
Android (android.graphics.Color)	4287069045 (0xFF877B75)
YUV	125.9040, -4.3897, 7.9772
Hunter-Lab	45.3885, 0.3470, 5.9901

Details

The XYZ color **20.2855, 20.6012, 19.7369** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.5594, 21.2311, 25.9889**, and the grayscale version is **19.8113, 20.8431, 22.6981**.

A 20% lighter version of the original color is **43.2304, 44.2159, 43.7921**, and **7.2693, 7.2585, 6.6481** is the 20% darker color. If you saturate the color by 10%, you get **18.4831, 18.1762, 15.4984**, and if you desaturate by 10%, it is **22.3062, 23.2790, 24.6135**.

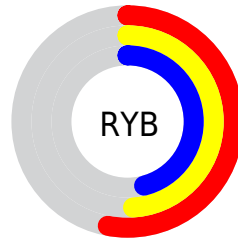
Distribution



Red (53%)

Green (48%)

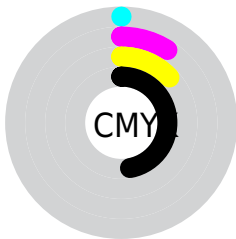
Blue (46%)



Red (53%)

Yellow (49%)

Blue (46%)

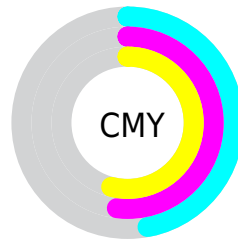


Cyan (0%)

Magenta (9%)

Yellow (13%)

Black (47%)



Cyan (47%)

Magenta (52%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2855, 20.6012, 19.7369 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 20.2855, 20.6012, 19.7369 by changing the saturation by 10% instead.

■ 20.2855, 20.6012,
19.7369

■ 20.2855, 20.6012,
19.7369

246.2607,
255.1514, 263.0442

■ 12.7122, 12.8328,
12.0218

■ 43.3956, 44.4229,
43.8288

■ 7.3063, 7.3135,
6.6358

■ 59.6632, 61.2449,
61.0426

■ 3.7024, 3.6589,
3.1604

■ 79.5595, 81.8537,
82.2598

■ 1.5352, 1.4847,
1.1771

103.4500,
106.6335, 107.8988

■ 0.3496, 0.2779,
0.0000

131.7001,
135.9688, 138.3782

■ 0.0000, 0.0000,
0.0000

164.6749,

170.2439, 174.1165

202.7401,
209.8434, 215.5323

■ 20.2855, 20.6012,
19.7369

■ 20.2855, 20.6012,
19.7369

■ 18.4831, 18.1762,
15.4984

■ 22.3062, 23.2790,
24.6135

■ 16.8896, 15.9939,
11.8700

■ 24.5506, 26.2141,
30.1518

■ 15.4975, 14.0473,
8.8237

■ 27.0263, 29.4142,
36.3761

■ 14.2981, 12.3282,
6.3287

■ 29.7398, 32.8858,
43.3088

■ 13.2821, 10.8277,
4.3514

■ 32.6974, 36.6353,
50.9713

■ 12.4393, 9.5366,
2.8543

■ 35.9052, 40.6688,
59.3842

■ 11.7582, 8.4445,
1.7948

■ 39.3690, 44.9922,
68.5673

■ 11.2258, 7.5401,
1.1222

■ 43.0945, 49.6113,
78.5396

■ 10.9309, 7.0294,
0.7807

■ 47.0872, 54.5317,
89.3194

Harmonies

Analogous

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



20.6950, 20.6012, 21.0253



20.2855, 20.6012, 19.7369



19.6935, 20.6012, 19.1724

Triad

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



20.2855, 20.6012, 19.7369



18.4072, 20.6012, 22.1105



20.0866, 20.6012, 25.7115

Complementary

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



20.2855, 20.6012, 19.7369



19.5594, 21.2311, 25.9889

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.



19.4685, 20.6012, 26.0398



20.2855, 20.6012, 19.7369



18.5074, 20.6012, 23.8984

Square

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



20.2855, 20.6012, 19.7369



18.6159, 20.6012, 20.4953



18.8927, 20.6012, 25.3602



20.5785, 20.6012, 24.4853

Rectangle

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



20.2855, 20.6012, 19.7369



19.2784, 20.6012, 19.2596



18.8927, 20.6012, 25.3602



19.8864, 20.6012, 25.9332

Sweetspot

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



20.2861, 20.6021, 19.7373



39.6583, 41.3094, 43.3761



20.3156, 19.4587, 23.4542



9.1250, 9.4884, 9.9006



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.



20.2861, 20.6021, 19.7373



35.3111, 35.5331, 32.9307



21.4540, 22.9379, 20.1266



4.7901, 4.9238, 4.9273



10.0910, 6.5046, 0.7237



0.0411, 0.0349, 0.0046

Inverse Universe

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



19.5594, 21.2311, 25.9889



33.7463, 36.8867, 46.3896



18.4260, 18.9644, 25.6111



4.6743, 5.0241, 5.9241



7.4149, 8.3776, 22.3629



0.0324, 0.0425, 0.0797

Previews

White Background



This preview shows how the XYZ color 20.2855, 20.6012, 19.7369 looks on a white background.

Color Contrast Check

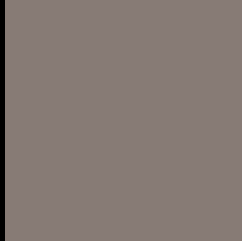
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2855, 20.6012, 19.7369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

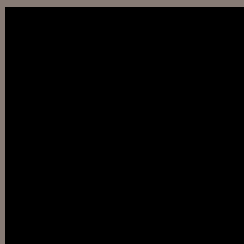
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2855, 20.6012, 19.7369

Background



This preview shows how black text looks on a background with the XYZ color 20.2855, 20.6012, 19.7369.



This preview shows how white text looks on a background with the XYZ color 20.2855, 20.6012,

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

20.2855, 20.6012, 19.7369

Protanopia

19.6569, 20.6424, 20.0879

Deuteranopia

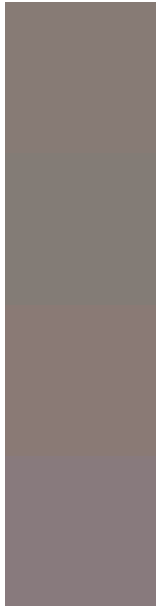
20.8635, 20.5345, 19.6936



Tritanopia

21.1832, 20.6048, 23.9797

Trichromacy



Original Color

20.2855, 20.6012, 19.7369

Protanomaly

19.8377, 20.5486, 20.0603

Deuteranomaly

20.6517, 20.6067, 19.7187

Tritanomaly

20.8145, 20.6340, 22.2877

Monochromacy



Original Color

20.2855, 20.6012, 19.7369

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.9620, 20.7644, 21.6947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2855, 20.6012, 19.7369 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, 123, 117)` looks like.

```
.text, #text, p{  
    color:rgb(135, 123, 117)  
}
```

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, 123, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 123, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.2855, 20.6012, 19.7369 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, 123, 117) }
```


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

```
.border{ border-color:rgb(135, 123, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 123, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 123, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 123, 117); box-shadow:4px 4px 4px 4px rgb(135, 123, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2855, 20.6012, 19.7369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 123, 117) }
```

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

```
.background{ background-color: rgb(135,  
123, 117) }
```

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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