

Converting Colors

XYZ(20.3955, 20.9774, 20.3877)

Have a look what the booklet for
XYZ(20.3955, 20.9774, 20.3877)
contains.

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Color

**XYZ(20.4949, 21.0675,
20.4390)**

Conversions

Conversions Part 1

Format	Color
Hex	867D77
RGB	134, 125, 119
RGB Percent	53%, 49%, 47%
CMY	0.4745, 0.5098, 0.5333
CMYK	0.00, 0.07, 0.11, 0.47
HSL	24°, 6%, 50%
HSV	24°, 11%, 53%
XYZ	20.4949, 21.0675, 20.4390
YIQ	127.0070, 7.2900, 0.0420

Conversions

Conversions Part 2

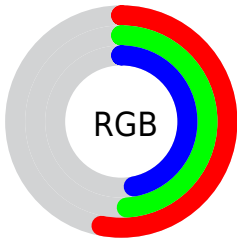
Format	Color
R_YB	134, 129, 119
Decimal	8813943
CIE Lab	53.02, 2.31, 4.49
CIE LCh	53, 5.052, 62.737
Yxy	21.0675, 0.3306, 0.3398
Android (android.graphics.Color)	4287004023 (0xFF867D77)
YUV	127.0070, -3.9475, 6.1329
Hunter-Lab	45.8993, -0.6203, 5.7277

Details

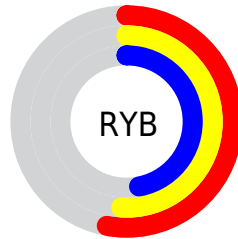
The XYZ color **20.4949, 21.0675, 20.4390** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.6299, 21.0810, 25.5889**, and the grayscale version is **20.1871, 21.2384, 23.1286**.

A 20% lighter version of the original color is **43.7646, 45.3459, 44.9741**, and **7.3779, 7.5086, 7.0217** is the 20% darker color. If you saturate the color by 10%, you get **18.7697, 18.8153, 16.1696**, and if you desaturate by 10%, it is **22.4171, 23.5316, 25.3345**.

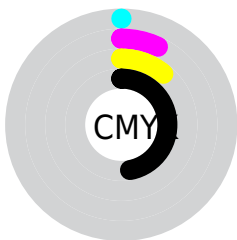
Distribution



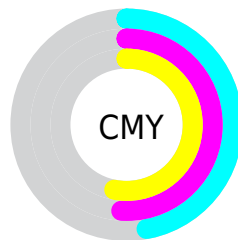
- Red (53%)
- Green (49%)
- Blue (47%)



- Red (53%)
- Yellow (51%)
- Blue (47%)



- Cyan (0%)
- Magenta (7%)
- Yellow (11%)
- Black (47%)



- Cyan (47%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4949, 21.0675, 20.4390 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 20.4949, 21.0675, 20.4390 by changing the saturation by 10% instead.

■ 20.4949, 21.0675,
20.4390

■ 20.4949, 21.0675,
20.4390

247.3647,
257.6370, 266.9643

■ 12.8656, 13.1734,
12.5273

■ 43.7430, 45.1998,
45.0206

■ 7.4125, 7.5480,
6.9770

■ 60.0926, 62.2068,
62.5276

■ 3.7700, 3.8071,
3.3695

■ 80.0797, 83.0202,
84.0701

■ 1.5728, 1.5663,
1.2863

104.0696,
108.0244, 110.0666

■ 0.3746, 0.3347,
0.0505

132.4277,
137.6038, 140.9358

■ 0.0000, 0.0000,
0.0000

165.5193,

172.1427, 177.0961

203.7099,
212.0257, 218.9661

■ 20.4949, 21.0675,
20.4390

■ 20.4949, 21.0675,
20.4390

■ 18.7697, 18.8153,
16.1696

■ 22.4171, 23.5316,
25.3345

■ 17.2332, 16.7666,
12.4993

■ 24.5409, 26.2104,
30.8787

■ 15.8787, 14.9162,
9.4014

■ 26.8729, 29.1102,
37.0949

■ 14.6989, 13.2577,
6.8464

■ 29.4189, 32.2361,
44.0047

■ 13.6855, 11.7843,
4.8022

■ 32.1843, 35.5929,
51.6289

■ 12.8296, 10.4890,
3.2333

■ 35.1745, 39.1855,
59.9871

■ 12.1214, 9.3638,
2.0996

■ 38.3947, 43.0185,
69.0984

■ 11.5497, 8.4003,
1.3542

■ 41.8497, 47.0965,
78.9812

■ 11.1334, 7.6719,
0.8940

■ 45.5444, 51.4237,
89.6532

Harmonies

Analogous

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



20.8943, 21.0675, 21.3952



20.4949, 21.0675, 20.4390



19.9754, 21.0675, 20.1431

Triad

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



20.4949, 21.0675, 20.4390



19.0224, 21.0675, 23.0787



20.5807, 21.0675, 25.4849

Complementary

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



20.4949, 21.0675, 20.4390



19.6299, 21.0810, 25.5889

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.



20.0728, 21.0675, 25.9822



20.4949, 21.0675, 20.4390



19.1782, 21.0675, 24.5552

Square

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



20.4949, 21.0675, 20.4390



19.1310, 21.0675, 21.6267



19.5604, 21.0675, 25.6348



20.9445, 21.0675, 24.3032

Rectangle

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



20.4949, 21.0675, 20.4390



19.6324, 21.0675, 20.3489



19.5604, 21.0675, 25.6348



20.4209, 21.0675, 25.7399

Sweetspot

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



20.4955, 21.0684, 20.4395



38.8358, 40.6189, 42.9359



20.3249, 19.8208, 23.1769



8.6915, 9.0772, 9.5246



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.



20.4955, 21.0684, 20.4395



35.4464, 36.2593, 34.3483



21.4807, 23.0389, 20.7679



4.8142, 4.9720, 4.9353



10.4436, 7.2097, 0.8412



0.0430, 0.0386, 0.0052

Inverse Universe

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



19.6299, 21.0810, 25.5889



33.6612, 36.2852, 44.9680



18.6879, 19.1970, 25.2749



4.6494, 4.9744, 5.9159



6.7574, 7.0627, 22.1438



0.0306, 0.0388, 0.0791

Previews

White Background



This preview shows how the XYZ color 20.4949, 21.0675, 20.4390 looks on a white background.

Color Contrast Check

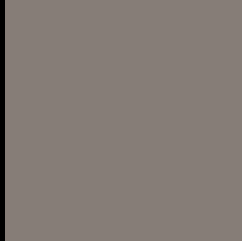
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4949, 21.0675, 20.4390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

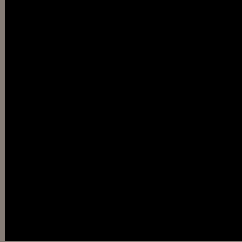
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4949, 21.0675, 20.4390

Background



This preview shows how black text looks on a background with the XYZ color 20.4949, 21.0675, 20.4390.



This preview shows how white text looks on a background with the XYZ color 20.4949, 21.0675,

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

20.4949, 21.0675, 20.4390

Protanopia

20.2111, 21.1031, 20.7774

Deuteranopia

21.3342, 20.9379, 20.6863



Tritanopia

21.4699, 21.0936, 25.1302

Trichromacy



Original Color

20.4949, 21.0675, 20.4390

Protanomaly

20.3667, 21.1833, 20.7846

Deuteranomaly

20.9544, 20.9253, 20.7039

Tritanomaly

21.0956, 21.1247, 23.3877

Monochromacy



Original Color

20.4949, 21.0675, 20.4390

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 20.4949, 21.0675, 20.4390 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(134, 125, 119)` looks like.

```
.text, #text, p{  
    color:rgb(134, 125, 119)  
}
```

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(134, 125, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 125, 119) }
```

Border

The CSS property to change the border of an element to XYZ 20.4949, 21.0675, 20.4390 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(134, 125, 119) }
```


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

```
.border{ border-color:rgb(134, 125, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 125, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 125, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 125, 119);  
box-shadow:4px 4px 4px 4px rgb(134, 125,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4949, 21.0675, 20.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 125, 119) }
```

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

```
.background{ background-color: rgb(134,  
125, 119) }
```

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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