

Converting Colors

XYZ(20.3827, 21.4915, 17.0607)

Have a look what the booklet for
XYZ(20.3827, 21.4915, 17.0607)
contains.

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Color

**XYZ(20.3966, 21.4745,
16.9799)**

Conversions

Conversions Part 1

Format	Color
Hex	887F6B
RGB	136, 127, 107
RGB Percent	53%, 50%, 42%
CMY	0.4667, 0.5019, 0.5804
CMYK	0.00, 0.07, 0.21, 0.47
HSL	41°, 12%, 48%
HSV	41°, 21%, 53%
XYZ	20.3966, 21.4745, 16.9799
YIQ	127.4110, 11.7840, -4.3120

Conversions

Conversions Part 2

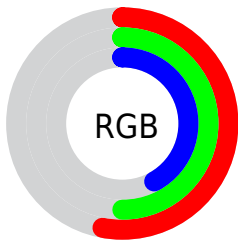
Format	Color
R_{YB}	120, 136, 107
Decimal	8945515
CIE Lab	53.46, -0.07, 12.12
CIE LCh	53, 12.115, 90.330
Yxy	21.4745, 0.3466, 0.3649
Android (android.graphics.Color)	4287135595 (0xFF887F6B)
YUV	127.4110, -10.0626, 7.5326
Hunter-Lab	46.3406, -2.5301, 10.7136

Details

The XYZ color **20.3966, 21.4745, 16.9799** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **16.7528, 17.3939, 25.7672**, and the grayscale version is **20.3454, 21.4050, 23.3100**.

A 20% lighter version of the original color is **43.7280, 46.0583, 38.9332**, and **7.3778, 7.7535, 5.3827** is the 20% darker color. If you saturate the color by 10%, you get **19.2032, 20.1441, 13.3254**, and if you desaturate by 10%, it is **21.7265, 22.8976, 21.2358**.

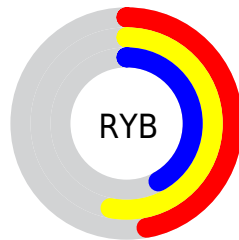
Distribution



Red (53%)

Green (50%)

Blue (42%)



Red (47%)

Yellow (53%)

Blue (42%)

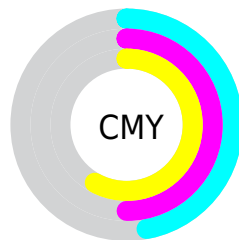


Cyan (0%)

Magenta (7%)

Yellow (21%)

Black (47%)



Cyan (47%)

Magenta (50%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3966, 21.4745, 16.9799 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 20.3966, 21.4745, 16.9799 by changing the saturation by 10% instead.

■ 20.3966, 21.4745,
16.9799

■ 20.3966, 21.4745,
16.9799

246.8470,
259.7896, 247.0966

■ 12.7936, 13.4713,
10.0584

■ 43.5800, 45.8759,
39.0814

■ 7.3626, 7.7539,
5.3316

■ 59.8911, 63.0429,
55.0984

■ 3.7382, 3.9379,
2.3810

■ 79.8357, 84.0333,
74.9844

■ 1.5551, 1.6389,
0.7760

■ 103.7790,
109.2314, 99.1577

■ 0.3629, 0.3836,
0.0000

132.0864,
139.0217, 128.0371

■ 0.0000, 0.0000,
0.0000

165.1233,

173.7886, 162.0410

203.2550,
213.9164, 201.5880

■ 20.3966, 21.4745,
16.9799

■ 20.3966, 21.4745,
16.9799

■ 19.2032, 20.1441,
13.3254

■ 21.7265, 22.8976,
21.2358

■ 18.1392, 18.9007,
10.2431

■ 23.1964, 24.4128,
26.1175

■ 17.1990, 17.7425,
7.7035

■ 24.8118, 26.0237,
31.6499

■ 16.3764, 16.6665,
5.6740

■ 26.5773, 27.7324,
37.8562

■ 15.6640, 15.6694,
4.1184

■ 28.4973, 29.5411,
44.7582

■ 15.0538, 14.7473,
2.9956

■ 30.5759, 31.4519,
52.3770

■ 14.5365, 13.8962,
2.2575

■ 32.8174, 33.4668,
60.7325

■ 14.1389, 13.2051,
1.8036

■ 35.2255, 35.5878,
69.8440

■ 37.8040, 37.8168,
79.7301

Harmonies

Analogous

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



21.6621, 21.4745, 17.7426



20.3966, 21.4745, 16.9799



19.1851, 21.4745, 17.7766

Triad

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



20.3966, 21.4745, 16.9799



18.3461, 21.4745, 27.1515



22.6403, 21.4745, 27.0734

Complementary

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



20.3966, 21.4745, 16.9799



16.7528, 17.3939, 25.7672

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.



21.6878, 21.4745, 30.0571



20.3966, 21.4745, 16.9799



19.2088, 21.4745, 30.1054

Square

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



20.3966, 21.4745, 16.9799



18.0321, 21.4745, 23.4230



20.4251, 21.4745, 31.2198



22.9901, 21.4745, 23.3412

Rectangle

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



20.3966, 21.4745, 16.9799



18.5625, 21.4745, 19.1385



20.4251, 21.4745, 31.2198



22.3780, 21.4745, 28.2106

Sweetspot

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



20.3972, 21.4755, 16.9804



39.6018, 41.7177, 41.7502



18.5744, 17.0152, 18.8846



9.1388, 9.6278, 9.5608



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.



20.3972, 21.4755, 16.9804



34.8136, 36.5964, 26.4195



20.7694, 23.4702, 17.3458



5.3023, 5.5875, 5.3514



13.3903, 12.5150, 1.7099



0.1020, 0.1093, 0.0157

Inverse Universe

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



16.7528, 17.3939, 25.7672



27.1020, 27.9614, 45.0170



16.4244, 15.7588, 25.4689



4.8930, 5.1290, 6.3380



5.0039, 3.2780, 22.4147



0.0451, 0.0455, 0.1529

Previews

White Background



This preview shows how the XYZ color 20.3966, 21.4745, 16.9799 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 20.3966, 21.4745, 16.9799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

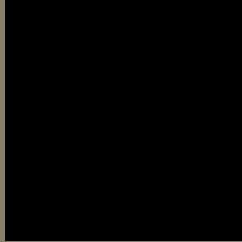
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

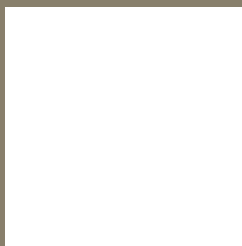
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3966, 21.4745, 16.9799

Background



This preview shows how black text looks on a background with the XYZ color 20.3966, 21.4745, 16.9799.



This preview shows how white text looks on a background with the XYZ color 20.3966, 21.4745,

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

20.3966, 21.4745, 16.9799

Protanopia

20.2349, 21.3912, 16.9723

Deuteranopia

21.8224, 21.4517, 17.1778



Tritanopia

21.9641, 21.3483, 25.1533

Trichromacy



Original Color

20.3966, 21.4745, 16.9799

Protanomaly

20.2349, 21.3912, 16.9723

Deuteranomaly

21.2421, 21.3377, 17.1864

Tritanomaly

21.3270, 21.2738, 22.0510

Monochromacy



Original Color

20.3966, 21.4745, 16.9799

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 20.3966, 21.4745, 16.9799 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(136, 127, 107)` looks like.

```
.text, #text, p{  
    color:rgb(136, 127, 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(136, 127, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 127, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.3966, 21.4745, 16.9799 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(136, 127, 107) }
```


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

```
.border{ border-color:rgb(136, 127, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 127, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 127, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 127, 107); box-shadow:4px 4px 4px 4px rgb(136, 127, 107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3966, 21.4745, 16.9799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 127, 107) }
```

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

```
.background{ background-color: rgb(136,  
127, 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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