

Converting Colors

XYZ(16.4063, 21.0632, 19.6792)

Have a look what the booklet for
XYZ(16.4063, 21.0632, 19.6792)
contains.

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Color

**XYZ(16.4707, 21.1964,
19.7462)**

Conversions

Conversions Part 1

Format	Color
Hex	5D8874
RGB	93, 136, 116
RGB Percent	36%, 53%, 45%
CMY	0.6353, 0.4667, 0.5451
CMYK	0.32, 0.00, 0.15, 0.47
HSL	152°, 19%, 45%
HSV	152°, 32%, 53%
XYZ	16.4707, 21.1964, 19.7462
YIQ	120.8630, -19.2080, -15.3360

Conversions

Conversions Part 2

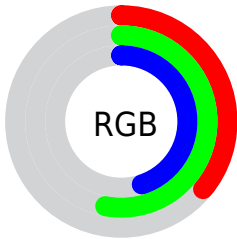
Format	Color
R_{YB}	93, 121, 136
Decimal	6129780
CIE _{Lab}	53.16, -19.36, 6.04
CIE _{LCh}	53, 20.282, 162.670
Yxy	21.1964, 0.2869, 0.3692
Android (android.graphics.Color)	4284319860 (0xFF5D8874)
YUV	120.8630, -2.3975, -24.4359
Hunter-Lab	46.0395, -16.7106, 6.7984

Details

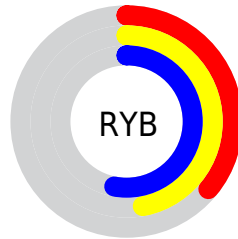
The XYZ color **16.4707, 21.1964, 19.7462** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.0490, 14.2556, 17.4766**, and the grayscale version is **18.1421, 19.0869, 20.7856**.

A 20% lighter version of the original color is **37.1584, 45.6738, 43.9033**, and **5.4534, 7.6308, 6.6543** is the 20% darker color. If you saturate the color by 10%, you get **14.8592, 20.4073, 17.8151**, and if you desaturate by 10%, it is **18.3533, 22.1235, 21.8217**.

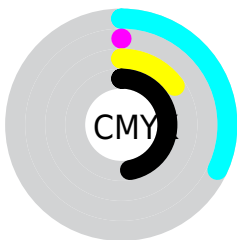
Distribution



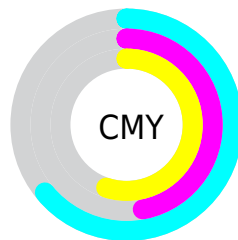
- Red (36%)
- Green (53%)
- Blue (45%)



- Red (36%)
- Yellow (47%)
- Blue (53%)



- Cyan (32%)
- Magenta (0%)
- Yellow (15%)
- Black (47%)



- Cyan (64%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4707, 21.1964, 19.7462 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 16.4707, 21.1964, 19.7462 by changing the saturation by 10% instead.

■ 16.4707, 21.1964,
19.7462

■ 16.4707, 21.1964,
19.7462

225.3196,
258.3204, 263.0965

■ 9.9508, 13.2676,
12.0284

■ 36.9643, 45.4142,
43.8446

■ 5.4284, 7.6131,
6.6403

■ 51.6688, 62.4720,
61.0624

■ 2.5380, 3.8484,
3.1632

■ 69.8321, 83.3416,
82.2839

■ 0.9145, 1.5891,
1.1785

■ 91.8197, 108.4074,
107.9276

■ 0.0000, 0.3502,
0.0000

117.9969,
138.0538, 138.4123

■ 0.0000, 0.0000,
0.0000

148.7290,

172.6651, 174.1562

184.3815,
212.6259, 215.5781

■ 16.4707, 21.1964,
19.7462

■ 16.4707, 21.1964,
19.7462

■ 14.8592, 20.4073,
17.8151

■ 18.3533, 22.1235,
21.8217

■ 13.5036, 19.7467,
16.0238

■ 20.5177, 23.1923,
24.0433

■ 12.3898, 19.2080,
14.3694

■ 22.9762, 24.4098,
26.4145

■ 11.5015, 18.7828,
12.8484

■ 25.7398, 25.7815,
28.9381

■ 10.8203, 18.4617,
11.4571

■ 28.8191, 27.3128,
31.6170

■ 10.3247, 18.2337,
10.1915

■ 32.2238, 29.0088,
34.4539

■ 9.9986, 18.0867,
9.2229

■ 35.9635, 30.8742,
37.4514

■ 40.0473, 32.9138,
40.6122

■ 44.4840, 35.1319,
43.9386

Harmonies

Analogous

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



17.4861, 21.1964, 15.4583



16.4707, 21.1964, 19.7462



16.3952, 21.1964, 25.7598

Triad

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



16.4707, 21.1964, 19.7462



21.0620, 21.1964, 36.5807



23.3236, 21.1964, 15.9824

Complementary

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



16.4707, 21.1964, 19.7462



17.0490, 14.2556, 17.4766

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.



24.4305, 21.1964, 20.5915



16.4707, 21.1964, 19.7462



23.0640, 21.1964, 32.8659

Square

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



16.4707, 21.1964, 19.7462



18.9464, 21.1964, 36.2449



24.3322, 21.1964, 26.7678



21.3964, 21.1964, 13.5641

Rectangle

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



16.4707, 21.1964, 19.7462



16.8796, 21.1964, 30.0376



24.3322, 21.1964, 26.7678



23.8099, 21.1964, 17.2882

Sweetspot

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



16.4713, 21.1973, 19.7467



37.1581, 41.3654, 43.3577



17.5992, 21.9147, 13.6585



8.4809, 9.5182, 9.9188



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.



16.4713, 21.1973, 19.7467



26.9325, 36.3276, 32.3202



17.5624, 21.3129, 26.4817



5.0763, 5.6500, 5.9230



9.4677, 17.1197, 8.7537



0.0703, 0.1167, 0.0972

Inverse Universe

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



17.0490, 14.2556, 17.4766



28.1189, 22.0796, 27.6636



16.1710, 14.1077, 12.2269



5.1233, 5.0848, 5.7379



10.4705, 5.2983, 4.9819



0.0768, 0.0381, 0.0714

Previews

White Background



This preview shows how the XYZ color 16.4707, 21.1964, 19.7462 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 16.4707, 21.1964, 19.7462 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 16.4707, 21.1964, 19.7462

Background



This preview shows how black text looks on a background with the XYZ color 16.4707, 21.1964, 19.7462.



This preview shows how white text looks on a background with the XYZ color 16.4707, 21.1964,

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

16.4707, 21.1964, 19.7462

Protanopia

19.8458, 20.9749, 18.0415

Deuteranopia

21.4446, 21.0018, 20.3763



Tritanopia

18.3548, 21.1383, 29.0993

Trichromacy



Original Color

16.4707, 21.1964, 19.7462

Protanomaly

18.4345, 21.0091, 18.7063

Deuteranomaly

19.1716, 20.7718, 20.1385

Tritanomaly

17.5509, 21.0099, 25.3206

Monochromacy



Original Color

16.4707, 21.1964, 19.7462

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.3462, 19.6331, 20.3281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4707, 21.1964, 19.7462 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(93, 136, 116) looks like.

```
.text, #text, p{  
    color:rgb(93, 136, 116)  
}
```

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(93, 136, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 136, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.4707, 21.1964, 19.7462 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(93, 136, 116) }
```


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

```
.border{ border-color:rgb(93, 136, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 136, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 136, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 136, 116);  
box-shadow:4px 4px 4px 4px rgb(93, 136,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4707, 21.1964, 19.7462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 136, 116) }
```

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

```
.background{ background-color: rgb(93, 136,  
116) }
```

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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