

Converting Colors

XYZ(16.2185, 20.4781, 22.1980)

Have a look what the booklet for
XYZ(16.2185, 20.4781, 22.1980)
contains.

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Color

**XYZ(16.1454, 20.3541,
22.1466)**

Conversions

Conversions Part 1

Format	Color
Hex	59857C
RGB	89, 133, 124
RGB Percent	35%, 52%, 49%
CMY	0.6510, 0.4784, 0.5137
CMYK	0.33, 0.00, 0.07, 0.48
HSL	168°, 20%, 44%
HSV	168°, 33%, 52%
XYZ	16.1454, 20.3541, 22.1466
YIQ	118.8180, -23.3350, -12.1270

Conversions

Conversions Part 2

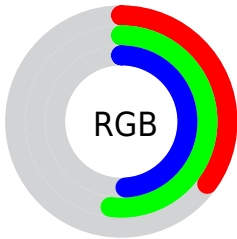
Format	Color
R_{YB}	89, 114, 133
Decimal	5866876
CIE _{Lab}	52.24, -17.21, 0.03
CIE _{LCh}	52, 17.206, 179.908
Yxy	20.3541, 0.2753, 0.3471
Android (android.graphics.Color)	4284056956 (0xFF59857C)
YUV	118.8180, 2.5547, -26.1504
Hunter-Lab	45.1155, -15.0727, 2.4762

Details

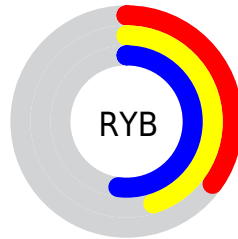
The XYZ color **16.1454, 20.3541, 22.1466** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.4505, 13.0136, 13.2535**, and the grayscale version is **17.4749, 18.3850, 20.0213**.

A 20% lighter version of the original color is **36.3799, 43.9151, 47.6333**, and **5.2383, 7.1456, 7.7598** is the 20% darker color. If you saturate the color by 10%, you get **14.8131, 19.6874, 21.1987**, and if you desaturate by 10%, it is **17.7143, 21.1432, 23.1312**.

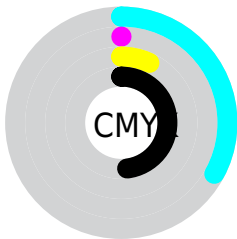
Distribution



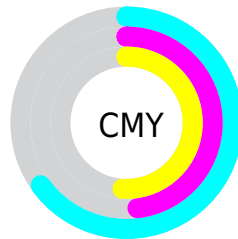
- Red (35%)
- Green (52%)
- Blue (49%)



- Red (35%)
- Yellow (45%)
- Blue (52%)



- Cyan (33%)
- Magenta (0%)
- Yellow (7%)
- Black (48%)



- Cyan (65%)
- Magenta (48%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1454, 20.3541, 22.1466 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 16.1454, 20.3541, 22.1466 by changing the saturation by 10% instead.

■ 16.1454, 20.3541,
22.1466

■ 16.1454, 20.3541,
22.1466

223.4517,
253.8257, 276.2893

■ 9.7186, 12.6527,
13.7653

■ 36.4059, 44.0101,
47.8935

■ 5.2736, 7.1898,
7.8207

■ 50.9702, 60.7334,
66.0961

■ 2.4451, 3.5811,
3.8943

■ 68.9778, 81.2329,
88.4097

■ 0.8676, 1.4421,
1.5676

■ 90.7940, 105.8929,
115.2526

■ 0.0000, 0.2475,
0.2675

■ 116.7841,
135.0977, 147.0435

■ 0.0000, 0.0000,
0.0000

147.3136,

169.2319, 184.2009

182.7476,
208.6797, 227.1433

■ 16.1454, 20.3541,
22.1466

■ 16.1454, 20.3541,
22.1466

■ 14.8131, 19.6874,
21.1987

■ 17.7143, 21.1432,
23.1312

■ 13.7031, 19.1342,
20.2854

■ 19.5295, 22.0583,
24.1519

■ 12.8024, 18.6884,
19.4063

■ 21.6023, 23.1056,
25.2098

■ 12.0957, 18.3421,
18.5604

■ 23.9430, 24.2905,
26.3057

■ 11.5660, 18.0865,
17.7468

■ 26.5610, 25.6177,
27.4400

■ 11.1926, 17.9109,
16.9644

■ 29.4655, 27.0921,
28.6135

■ 10.9787, 17.8121,
16.4390

■ 32.6651, 28.7180,
29.8268

■ 36.1682, 30.4998,
31.0804

■ 39.9826, 32.4415,
32.3748

Harmonies

Analogous

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



16.5544, 20.3541, 17.6355



16.1454, 20.3541, 22.1466



16.5495, 20.3541, 27.3728

Triad

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



16.1454, 20.3541, 22.1466



21.0888, 20.3541, 31.7049



21.0987, 20.3541, 14.7685

Complementary

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



16.1454, 20.3541, 22.1466



15.4505, 13.0136, 13.2535

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.



22.4409, 20.3541, 17.6586



16.1454, 20.3541, 22.1466



22.4349, 20.3541, 27.4039

Square

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



16.1454, 20.3541, 22.1466



19.3405, 20.3541, 33.3776



22.9438, 20.3541, 22.1777



19.3514, 20.3541, 13.7910

Rectangle

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



16.1454, 20.3541, 22.1466



17.2407, 20.3541, 30.4645



22.9438, 20.3541, 22.1777



21.6160, 20.3541, 15.5245

Sweetspot

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



16.1460, 20.3549, 22.1471



35.9841, 40.0114, 43.7836



15.2860, 20.1236, 12.5300



8.0107, 8.9657, 9.8137



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.



16.1460, 20.3549, 22.1471



27.0103, 35.4968, 38.3249



15.1348, 17.3795, 24.7481



4.7619, 5.2630, 5.7574



10.4599, 16.9668, 15.6731



0.0388, 0.0598, 0.0677

Inverse Universe

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



15.4505, 13.0136, 13.2535



25.5602, 20.1521, 19.7536



16.1758, 15.1066, 11.5148



4.7087, 4.7032, 5.0782



9.4069, 4.8271, 1.4490



0.0348, 0.0176, 0.0165

Previews

White Background



This preview shows how the XYZ color 16.1454, 20.3541, 22.1466 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 16.1454, 20.3541, 22.1466 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 16.1454, 20.3541, 22.1466

Background



This preview shows how black text looks on a background with the XYZ color 16.1454, 20.3541, 22.1466.

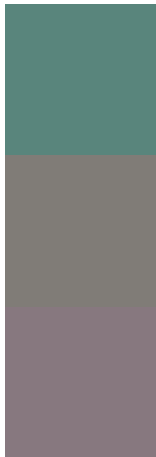


This preview shows how white text looks on a background with the XYZ color 16.1454, 20.3541,

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

16.1454, 20.3541, 22.1466

Protanopia

19.4395, 20.3364, 20.3535

Deuteranopia

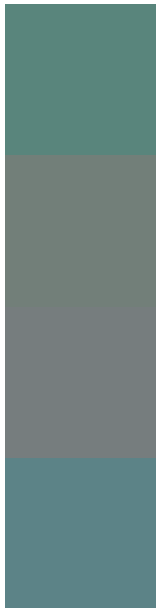
20.5389, 20.1161, 22.8790



Tritanopia

17.3046, 20.2155, 28.1892

Trichromacy



Original Color

16.1454, 20.3541, 22.1466

Protanomaly

17.9800, 20.1366, 21.0283

Deuteranomaly

18.5707, 20.0251, 22.6251

Tritanomaly

16.9031, 20.2572, 25.9408

Monochromacy



Original Color

16.1454, 20.3541, 22.1466

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.8432, 18.9839, 20.8657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1454, 20.3541, 22.1466 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(89, 133, 124)` looks like.

```
.text, #text, p{  
  color:rgb(89, 133, 124)  
}
```

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(89, 133, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 133, 124) }
```

Border

The CSS property to change the border of an element to XYZ 16.1454, 20.3541, 22.1466 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(89, 133, 124) }
```


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

```
.border{ border-color:rgb(89, 133, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 133, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 133, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 133, 124);  
box-shadow:4px 4px 4px 4px rgb(89, 133,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1454, 20.3541, 22.1466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 133, 124) }
```

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

```
.background{ background-color: rgb(89, 133,  
124) }
```

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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