

Converting Colors

XYZ(16.0631, 21.1557, 17.4242)

Have a look what the booklet for
XYZ(16.0631, 21.1557, 17.4242)
contains.

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Color

**XYZ(16.1666, 21.3012,
17.4468)**

Conversions

Conversions Part 1

Format	Color
Hex	5D896C
RGB	93, 137, 108
RGB Percent	36%, 54%, 42%
CMY	0.6353, 0.4627, 0.5765
CMYK	0.32, 0.00, 0.21, 0.46
HSL	140°, 19%, 45%
HSV	140°, 32%, 54%
XYZ	16.1666, 21.3012, 17.4468
YIQ	120.5380, -16.9150, -18.3470

Conversions

Conversions Part 2

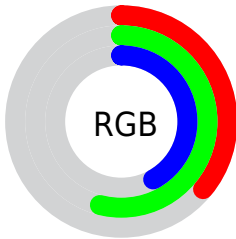
Format	Color
R_{YB}	93, 126, 137
Decimal	6130028
CIE _{Lab}	53.28, -21.58, 10.81
CIE _{LCh}	53, 24.136, 153.381
Yxy	21.3012, 0.2944, 0.3879
Android (android.graphics.Color)	4284320108 (0xFF5D896C)
YUV	120.5380, -6.1812, -24.1508
Hunter-Lab	46.1532, -18.2430, 9.8945

Details

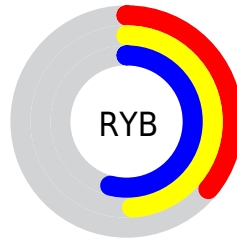
The XYZ color **16.1666, 21.3012, 17.4468** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.7444, 14.5526, 20.2868**, and the grayscale version is **18.0487, 18.9886, 20.6786**.

A 20% lighter version of the original color is **36.5659, 45.7845, 39.7110**, and **5.3327, 7.7112, 5.6222** is the 20% darker color. If you saturate the color by 10%, you get **14.4463, 20.4676, 14.9864**, and if you desaturate by 10%, it is **18.1863, 22.2845, 20.1820**.

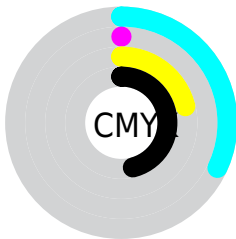
Distribution



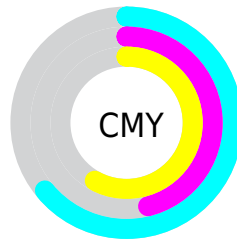
- Red (36%)
- Green (54%)
- Blue (42%)



- Red (36%)
- Yellow (49%)
- Blue (54%)



- Cyan (32%)
- Magenta (0%)
- Yellow (21%)
- Black (46%)



- Cyan (64%)
- Magenta (46%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1666, 21.3012, 17.4468 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 16.1666, 21.3012, 17.4468 by changing the saturation by 10% instead.

■ 16.1666, 21.3012,
17.4468

■ 16.1666, 21.3012,
17.4468

223.5739,
258.8749, 249.8647

■ 9.7337, 13.3443,
10.3882

■ 36.4423, 45.5883,
39.8935

■ 5.2837, 7.6661,
5.5482

■ 51.0158, 62.6873,
56.1188

■ 2.4511, 3.8820,
2.5080

■ 69.0336, 83.6025,
76.2367

■ 0.8707, 1.6078,
0.8444

■ 90.8610, 108.7182,
100.6657

■ 0.0000, 0.3628,
0.0000

116.8634,
138.4190, 129.8245

■ 0.0000, 0.0000,
0.0000

147.4061,

173.0891, 164.1316

182.8545,
213.1129, 204.0055

■ 16.1666, 21.3012,
17.4468

■ 16.1666, 21.3012,
17.4468

■ 14.4463, 20.4676,
14.9864

■ 18.1863, 22.2845,
20.1820

■ 13.0090, 19.7738,
12.7909

■ 20.5174, 23.4219,
23.1987

■ 11.8390, 19.2123,
10.8516

■ 23.1733, 24.7207,
26.5053

■ 10.9186, 18.7744,
9.1590

■ 26.1662, 26.1869,
30.1093

■ 10.2278, 18.4498,
7.7031

■ 29.5076, 27.8264,
34.0179

■ 9.7431, 18.2266,
6.4727

■ 33.2083, 29.6446,
38.2381

■ 9.4532, 18.0950,
5.6526

■ 37.2789, 31.6468,
42.7767

■ 41.7293, 33.8381,
47.6402

■ 46.5693, 36.2232,
52.8350

Harmonies

Analogous

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



17.6633, 21.3012, 13.3223



16.1666, 21.3012, 17.4468



15.7301, 21.3012, 24.0326

Triad

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



16.1666, 21.3012, 17.4468



20.5371, 21.3012, 40.2509



24.6286, 21.3012, 16.2856

Complementary

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



16.1666, 21.3012, 17.4468



17.7444, 14.5526, 20.2868

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.



25.5531, 21.3012, 22.3740



16.1666, 21.3012, 17.4468



23.0693, 21.3012, 37.0266

Square

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



16.1666, 21.3012, 17.4468



18.1252, 21.3012, 38.1709



24.9600, 21.3012, 30.0807



22.5265, 21.3012, 12.7575

Rectangle

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



16.1666, 21.3012, 17.4468



16.0659, 21.3012, 29.2326



24.9600, 21.3012, 30.0807



25.0951, 21.3012, 18.0491

Sweetspot

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



16.1672, 21.3021, 17.4473



37.5981, 42.3611, 42.6258



18.9955, 22.8446, 13.7643



8.3098, 9.4412, 9.4052



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.



16.1672, 21.3021, 17.4473



26.5198, 36.9669, 27.7894



17.4674, 21.8222, 24.2944



5.0376, 5.6345, 5.7192



8.8105, 16.8568, 5.2926



0.0649, 0.1145, 0.0686

Inverse Universe

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



17.7444, 14.5526, 20.2868



29.8283, 22.7958, 33.7362



16.5479, 14.0740, 13.9860



5.1626, 5.1005, 5.9447



11.3464, 5.6487, 9.5942



0.0823, 0.0403, 0.1000

Previews

White Background



This preview shows how the XYZ color 16.1666, 21.3012, 17.4468 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 16.1666, 21.3012, 17.4468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

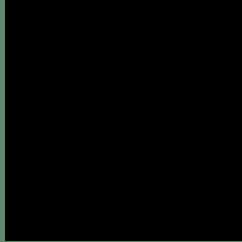
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.1666, 21.3012, 17.4468

Background



This preview shows how black text looks on a background with the XYZ color 16.1666, 21.3012, 17.4468.



This preview shows how white text looks on a background with the XYZ color 16.1666, 21.3012,

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

16.1666, 21.3012, 17.4468

Protanopia

19.8691, 21.2263, 15.8818

Deuteranopia

21.5058, 21.0865, 17.9755



Tritanopia

18.4647, 21.1950, 29.1045

Trichromacy



Original Color

16.1666, 21.3012, 17.4468

Protanomaly

18.2739, 21.1745, 16.4885

Deuteranomaly

19.0080, 20.7402, 17.7533

Tritanomaly

17.4841, 21.2033, 24.2902

Monochromacy



Original Color

16.1666, 21.3012, 17.4468

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.2973, 19.8192, 19.4368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1666, 21.3012, 17.4468 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, 137, 108)` looks like.

```
.text, #text, p{  
    color:rgb(93, 137, 108)  
}
```

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, 137, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 137, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.1666, 21.3012, 17.4468 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, 137, 108) }
```


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

```
.border{ border-color:rgb(93, 137, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 137, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 137, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 137, 108);  
box-shadow:4px 4px 4px 4px rgb(93, 137,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1666, 21.3012, 17.4468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 137, 108) }
```

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

```
.background{ background-color: rgb(93, 137,  
108) }
```

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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