

Converting Colors

XYZ(21.5126, 30.7440, 16.0854)

Have a look what the booklet for
XYZ(21.5126, 30.7440, 16.0854)
contains.

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Color

**XYZ(21.5567, 30.8375,
16.1253)**

Conversions

Conversions Part 1

Format	Color
Hex	6AA561
RGB	106, 165, 97
RGB Percent	42%, 65%, 38%
CMY	0.5843, 0.3529, 0.6196
CMYK	0.36, 0.00, 0.41, 0.35
HSL	112°, 27%, 51%
HSV	112°, 41%, 65%
XYZ	21.5567, 30.8375, 16.1253
YIQ	139.6070, -13.3360, -33.6560

Conversions

Conversions Part 2

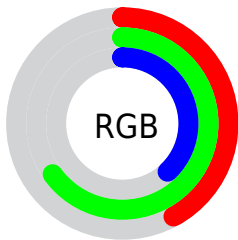
Format	Color
RYB	97, 165, 156
Decimal	6989153
CIELab	62.37, -32.88, 29.31
CIELCh	62, 44.048, 138.292
Yxy	30.8375, 0.3146, 0.4501
Android (android.graphics.Color)	4285179233 (0xFF6AA561)
YUV	139.6070, -21.0053, -29.4733
Hunter-Lab	55.5315, -27.8885, 21.6554

Details

The XYZ color **21.5567, 30.8375, 16.1253** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.7778, 18.3348, 37.8319**, and the grayscale version is **24.8580, 26.1526, 28.4802**.

A 20% lighter version of the original color is **45.4357, 60.7981, 37.3575**, and **7.9808, 12.8163, 4.9589** is the 20% darker color. If you saturate the color by 10%, you get **19.3045, 29.7572, 12.4132**, and if you desaturate by 10%, it is **24.2546, 32.1309, 20.6949**.

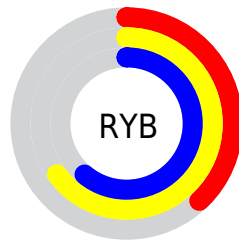
Distribution



Red (42%)

Green (65%)

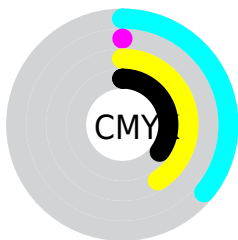
Blue (38%)



Red (38%)

Yellow (65%)

Blue (61%)

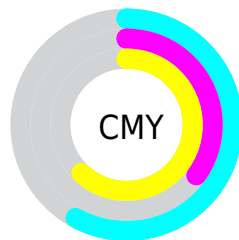


Cyan (36%)

Magenta (0%)

Yellow (41%)

Black (35%)



Cyan (58%)

Magenta (35%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5567, 30.8375, 16.1253 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 21.5567, 30.8375, 16.1253 by changing the saturation by 10% instead.

■ 21.5567, 30.8375,
16.1253

■ 21.5567, 30.8375,
16.1253

252.8985,
305.7890, 241.9509

■ 13.6463, 20.4751,
9.4575

■ 45.4965, 60.9841,
37.5854

■ 7.9551, 12.7409,
4.9399

■ 62.2567, 81.5372,
53.2148

■ 4.1178, 7.2504,
2.1539

■ 82.6975, 106.2560,
72.6686

■ 1.7690, 3.6192,
0.6476

■ 107.1843,
135.5248, 96.3652

■ 0.4989, 1.4629,
0.0000

136.0825,
169.7282, 124.7232

■ 0.0000, 0.2624,
0.0000

169.7573,

■ 0.0000, 0.0000,

209.2504, 158.1611

0.0000

208.5742,
254.4758, 197.0975

■ 21.5567, 30.8375,
16.1253

■ 21.5567, 30.8375,
16.1253

■ 19.3045, 29.7572,
12.4132

■ 24.2546, 32.1309,
20.6949

■ 17.4715, 28.8748,
9.5032

■ 27.4181, 33.6439,
26.1688

■ 16.0321, 28.1792,
7.3367


■ 31.0688, 35.3874,
32.5926


■ 14.9569, 27.6568,
5.8463

■ 35.2260, 37.3708,
40.0085


■ 14.2120, 27.2918,
4.9523


■ 39.9083, 39.6025,
48.4559

 13.7830, 27.0802,
4.5006

 45.1332, 42.0907,
57.9724

 50.9172, 44.8434,
68.5933

 57.2765, 47.8680,
80.3527

 64.2262, 51.1718,
93.2828

Harmonies

Analogous

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



25.8568, 30.8375, 11.0536



21.5567, 30.8375, 16.1253



19.4555, 30.8375, 27.3445

Triad

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



21.5567, 30.8375, 16.1253



27.0445, 30.8375, 77.0859



41.5998, 30.8375, 24.2891

Complementary

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



21.5567, 30.8375, 16.1253



24.7778, 18.3348, 37.8319

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.



42.0317, 30.8375, 40.6906



21.5567, 30.8375, 16.1253



33.0580, 30.8375, 75.3997

Square

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



21.5567, 30.8375, 16.1253



22.3243, 30.8375, 64.5407



38.7300, 30.8375, 60.5052



37.6196, 30.8375, 14.5446

Rectangle

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



21.5567, 30.8375, 16.1253



19.3653, 30.8375, 38.5386



38.7300, 30.8375, 60.5052



42.1828, 30.8375, 29.0603

Sweetspot

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



21.5575, 30.8388, 16.1260



54.9402, 63.0398, 57.1300



29.5533, 32.6184, 16.0480



11.8299, 13.6953, 12.1695



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.5575, 30.8388, 16.1260



35.0579, 53.5245, 23.0199



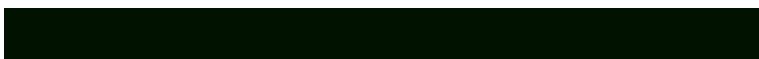
21.8946, 30.8565, 23.1934



7.0687, 7.9379, 7.5397



10.4521, 20.4988, 3.4058



0.2435, 0.4430, 0.0727

Inverse Universe

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



24.7778, 18.3348, 37.8319



41.5599, 28.1763, 67.0005



24.5313, 18.4449, 27.1051



7.2717, 7.1544, 8.9008



13.7589, 6.4995, 27.4591



0.3130, 0.1489, 0.5781

Previews

White Background



This preview shows how the XYZ color 21.5567, 30.8375, 16.1253 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 21.5567, 30.8375, 16.1253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

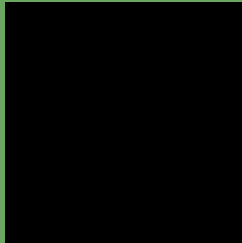
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5567, 30.8375, 16.1253

Background



This preview shows how black text looks on a background with the XYZ color 21.5567, 30.8375, 16.1253.



This preview shows how white text looks on a background with the XYZ color 21.5567, 30.8375,

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

21.5567, 30.8375, 16.1253

Protanopia

28.1045, 30.4605, 14.2957

Deuteranopia

31.1939, 30.6091, 16.8344



Tritanopia

26.8262, 30.9005, 42.0866

Trichromacy



Original Color

21.5567, 30.8375, 16.1253

Protanomaly

25.0248, 30.0726, 14.8416

Deuteranomaly

26.6654, 30.1489, 16.4705

Tritanomaly

24.4682, 30.7022, 30.6231

Monochromacy



Original Color

21.5567, 30.8375, 16.1253

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.2876, 27.5393, 23.1570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5567, 30.8375, 16.1253 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(106, 165, 97)` looks like.

```
.text, #text, p{  
    color:rgb(106, 165, 97)  
}
```

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(106, 165, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 165, 97) }
```

Border

The CSS property to change the border of an element to XYZ 21.5567, 30.8375, 16.1253 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(106, 165, 97) }
```


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

```
.border{ border-color:rgb(106, 165, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 165, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 165, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 165, 97);  
box-shadow:4px 4px 4px 4px rgb(106, 165,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5567, 30.8375, 16.1253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 165, 97) }
```

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

```
.background{ background-color: rgb(106,  
165, 97) }
```

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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