

Converting Colors

XYZ(21.5401, 32.4167, 13.5970)

Have a look what the booklet for
XYZ(21.5401, 32.4167, 13.5970)
contains.

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Color

**XYZ(21.6426, 32.5907,
13.5375)**

Conversions

Conversions Part 1

Format	Color
Hex	66AB54
RGB	102, 171, 84
RGB Percent	40%, 67%, 33%
CMY	0.6000, 0.3294, 0.6706
CMYK	0.40, 0.00, 0.51, 0.33
HSL	108°, 34%, 50%
HSV	108°, 51%, 67%
XYZ	21.6426, 32.5907, 13.5375
YIQ	140.4510, -13.1970, -41.6850

Conversions

Conversions Part 2

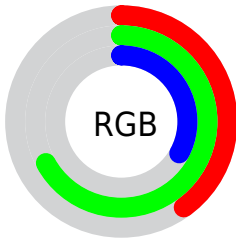
Format	Color
RYB	84, 171, 153
Decimal	6728532
CIELab	63.83, -38.76, 37.81
CIELCh	64, 54.152, 135.711
Yxy	32.5907, 0.3193, 0.4809
Android (android.graphics.Color)	4284918612 (0xFF66AB54)
YUV	140.4510, -27.8303, -33.7215
Hunter-Lab	57.0883, -32.2337, 25.9022

Details

The XYZ color **21.6426, 32.5907, 13.5375** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **23.6596, 16.0544, 40.3817**, and the grayscale version is **25.2123, 26.5253, 28.8861**.

A 20% lighter version of the original color is **45.5526, 63.7554, 32.8268**, and **8.0007, 13.7066, 3.8141** is the 20% darker color. If you saturate the color by 10%, you get **19.6398, 31.6274, 10.3644**, and if you desaturate by 10%, it is **24.0621, 33.7519, 17.5850**.

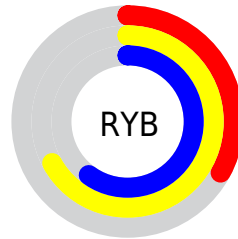
Distribution



Red (40%)

Green (67%)

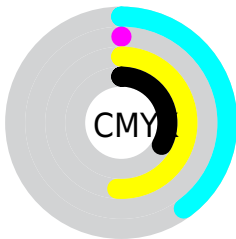
Blue (33%)



Red (33%)

Yellow (67%)

Blue (60%)

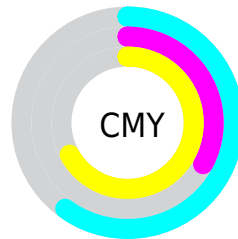


Cyan (40%)

Magenta (0%)

Yellow (51%)

Black (33%)



Cyan (60%)

Magenta (33%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6426, 32.5907, 13.5375 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 21.6426, 32.5907, 13.5375 by changing the saturation by 10% instead.

■ 21.6426, 32.5907,
13.5375

■ 21.6426, 32.5907,
13.5375

253.3417,
313.8014, 225.6618

■ 13.7097, 21.8131,
7.6646

■ 45.6378, 63.7360,
32.9713

■ 7.9994, 13.7196,
3.7964

■ 62.4309, 84.8724,
47.3694

■ 4.1463, 7.9259,
1.5143

■ 82.9079, 110.2306,
65.4463

■ 1.7853, 4.0476,
0.2286

■ 107.4344,
140.1949, 87.6205

■ 0.5088, 1.7002,
0.0000

■ 136.3757,
175.1498, 114.3106

■ 0.0000, 0.4238,
0.0000

170.0971,

■ 0.0000, 0.0000,

215.4795, 145.9352

0.0000

208.9640,
261.5686, 182.9127

■ 21.6426, 32.5907,
13.5375

■ 21.6426, 32.5907,
13.5375

■ 19.6398, 31.6274,
10.3644

■ 24.0621, 33.7519,
17.5850

■ 18.0268, 30.8465,
7.9991

■ 26.9181, 35.1170,
22.5625

■ 16.7776, 30.2373,
6.3691

■ 30.2320, 36.6969,
28.5238

■ 15.8612, 29.7857,
5.3880

■ 34.0233, 38.5005,
35.5177

■ 15.2695, 29.4911,
4.8876

■ 38.3100, 40.5361,
43.5900

■ 43.1093, 42.8118,
52.7836

■ 48.4377, 45.3350,
63.1391

■ 54.3107, 48.1129,
74.6951

■ 60.7434, 51.1526,
87.4883

Harmonies

Analogous

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



27.1827, 32.5907, 8.5085



21.6426, 32.5907, 13.5375



18.8554, 32.5907, 26.1190

Triad

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



21.6426, 32.5907, 13.5375



27.5051, 32.5907, 93.5177



47.2959, 32.5907, 25.3095

Complementary

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



21.6426, 32.5907, 13.5375



23.6596, 16.0544, 40.3817

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.



47.4205, 32.5907, 46.8604



21.6426, 32.5907, 13.5375



35.1078, 32.5907, 93.0057

Square

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



21.6426, 32.5907, 13.5375



21.8452, 32.5907, 74.7050



42.6691, 32.5907, 73.5050



42.3524, 32.5907, 13.1548

Rectangle

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



21.6426, 32.5907, 13.5375



18.5839, 32.5907, 39.8187



42.6691, 32.5907, 73.5050



47.9269, 32.5907, 31.4791

Sweetspot

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



21.6434, 32.5921, 13.5382



57.8442, 67.4815, 57.8777



29.6489, 31.8048, 12.9643



12.5912, 14.9020, 12.3389



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.6434, 32.5921, 13.5382



34.7890, 56.4553, 17.9781



20.9616, 32.1088, 19.4630



8.0536, 9.0162, 8.5292



11.5471, 22.2498, 3.6860



0.3648, 0.6414, 0.1046

Inverse Universe

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



23.6596, 16.0544, 40.3817



38.7454, 23.4553, 71.4871



25.1817, 17.0857, 29.3091



8.1724, 8.0632, 10.0783



13.1941, 6.1617, 29.5384



0.4074, 0.1922, 0.8236

Previews

White Background



This preview shows how the XYZ color 21.6426, 32.5907, 13.5375 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 21.6426, 32.5907, 13.5375 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 21.6426, 32.5907, 13.5375

Background



This preview shows how black text looks on a background with the XYZ color 21.6426, 32.5907, 13.5375.



This preview shows how white text looks on a background with the XYZ color 21.6426, 32.5907,

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

21.6426, 32.5907, 13.5375

Protanopia

29.5083, 32.2073, 11.8691

Deuteranopia

32.7727, 32.1704, 14.1551



Tritanopia

27.8561, 32.3973, 44.8295

Trichromacy



Original Color

21.6426, 32.5907, 13.5375

Protanomaly

25.6958, 31.7405, 12.3616

Deuteranomaly

27.3602, 31.5494, 13.8801

Tritanomaly

24.9449, 32.2781, 30.1149

Monochromacy



Original Color

21.6426, 32.5907, 13.5375

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.0610, 27.9249, 21.9439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6426, 32.5907, 13.5375 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(102, 171, 84)` looks like.

```
.text, #text, p{  
    color:rgb(102, 171, 84)  
}
```

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(102, 171, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 171, 84) }
```

Border

The CSS property to change the border of an element to XYZ 21.6426, 32.5907, 13.5375 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(102, 171, 84) }
```


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

```
.border{ border-color:rgb(102, 171, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 171, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 171, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 171, 84);  
box-shadow:4px 4px 4px 4px rgb(102, 171,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6426, 32.5907, 13.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 171, 84) }
```

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

```
.background{ background-color: rgb(102,  
171, 84) }
```

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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