

Converting Colors

XYZ(21.5520, 16.0150, 3.6248)

Have a look what the booklet for
XYZ(21.5520, 16.0150, 3.6248)
contains.

XYZ(21.5507, 16.0131, 3.6240)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.5507, 16.0131,
3.6240)**

Conversions

Conversions Part 1

Format	Color
Hex	B05624
RGB	176, 86, 36
RGB Percent	69%, 34%, 14%
CMY	0.3098, 0.6627, 0.8588
CMYK	0.00, 0.51, 0.80, 0.31
HSL	21°, 66%, 42%
HSV	21°, 80%, 69%
XYZ	21.5507, 16.0131, 3.6240
YIQ	107.2100, 69.6900, 3.5300

Conversions

Conversions Part 2

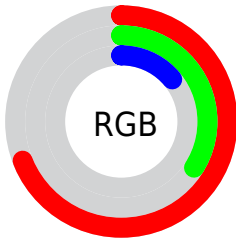
Format	Color
R_{YB}	176, 114, 36
Decimal	11556388
CIE _{Lab}	46.99, 33.37, 44.27
CIE _{LCh}	47, 55.443, 52.989
Yxy	16.0131, 0.5232, 0.3888
Android (android.graphics.Color)	4289746468 (0xFFB05624)
YUV	107.2100, -35.1065, 60.3288
Hunter-Lab	40.0164, 26.1020, 22.6420

Details

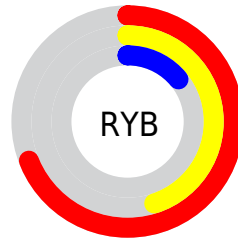
The XYZ color **21.5507, 16.0131, 3.6240** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.0240, 18.4298, 43.7866**, and the grayscale version is **14.1149, 14.8500, 16.1716**.

A 20% lighter version of the original color is **45.4709, 36.5359, 13.0431**, and **7.9977, 5.1050, 0.5638** is the 20% darker color. If you saturate the color by 10%, you get **20.5121, 14.2656, 2.2620**, and if you desaturate by 10%, it is **22.8651, 18.1012, 5.7298**.

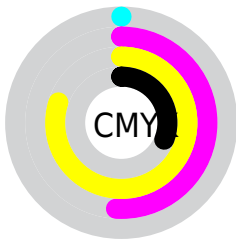
Distribution



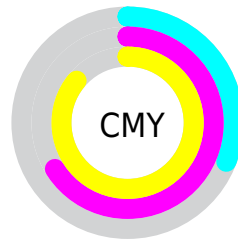
- Red (69%)
- Green (34%)
- Blue (14%)



- Red (69%)
- Yellow (45%)
- Blue (14%)



- Cyan (0%)
- Magenta (51%)
- Yellow (80%)
- Black (31%)





- Cyan (31%)
- Magenta (66%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5507, 16.0131, 3.6240 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 21.5507, 16.0131, 3.6240 by changing the saturation by 10% instead.


 21.5507, 16.0131,
3.6240


 21.5507, 16.0131,
3.6240


252.8676,
229.4190, 143.9497


 13.6419, 9.5334,
1.4214


 45.4867, 36.6209,
13.1329


 7.9520, 5.0907,
0.1583


 62.2445, 51.5179,
21.2762

 4.1158, 2.3006,
0.0000

 82.6828, 69.9894,
32.2370

 1.7679, 0.7740,
0.0000

 107.1668, 92.4199,
46.4336

 0.4982, 0.0000,
0.0000

 136.0620,
119.1937, 64.2846

 0.0000, 0.0000,
0.0000

 169.7336,

150.6952, 86.2086

208.5470,
187.3088, 112.6241

21.5507, 16.0131,
3.6240

21.5507, 16.0131,
3.6240

20.5121, 14.2656,
2.2620

22.8651, 18.1012,
5.7298

19.7073, 12.8289,
1.4605

24.4777, 20.5467,
8.6709

19.6743, 12.7700,
1.4279

26.4092, 23.3681,
12.5259

28.6780, 26.5816,
17.3644

31.3010, 30.2024,
23.2489

■ 34.2938, 34.2450,
30.2366

■ 37.6711, 38.7229,
38.3809

■ 41.4466, 43.6491,
47.7313

■ 45.6334, 49.0359,
58.3346

Harmonies

Analogous

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



25.5178, 16.0131, 8.9479



21.5507, 16.0131, 3.6240



16.3866, 16.0131, 2.0933

Triad

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



21.5507, 16.0131, 3.6240



7.7148, 16.0131, 14.3752



19.1595, 16.0131, 55.3791

Complementary

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



21.5507, 16.0131, 3.6240



16.0240, 18.4298, 43.7866

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.



14.1101, 16.0131, 59.6346



21.5507, 16.0131, 3.6240



8.1491, 16.0131, 30.0817

Square

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



21.5507, 16.0131, 3.6240



8.9228, 16.0131, 5.7952



10.2690, 16.0131, 48.6309



23.9451, 16.0131, 38.9550

Rectangle

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



21.5507, 16.0131, 3.6240



13.2190, 16.0131, 2.2132



10.2690, 16.0131, 48.6309



17.4133, 16.0131, 58.5435

Sweetspot

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



21.5511, 16.0140, 3.6243



59.4666, 58.4381, 48.4049



22.3660, 12.0241, 21.2207



12.4863, 12.1209, 9.5593



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.5511, 16.0140, 3.6243



36.1377, 23.9689, 3.0530



29.9440, 32.7999, 6.4219



8.7365, 8.9855, 8.9264



14.4865, 9.4715, 1.0647



0.5122, 0.4108, 0.0523

Inverse Universe

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



16.0240, 18.4298, 43.7866



25.5246, 28.0944, 78.5728



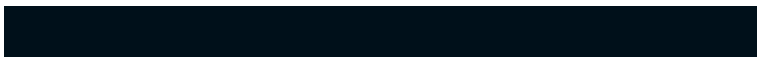
10.0271, 6.4360, 41.7877



8.4822, 9.1106, 10.8178



10.1503, 11.1010, 31.7447



0.3721, 0.4547, 1.0164

Previews

White Background



This preview shows how the XYZ color 21.5507, 16.0131, 3.6240 looks on a white 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

Black Background



This preview shows how the XYZ color 21.5507, 16.0131, 3.6240 looks on a black 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

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

XYZ 21.5507, 16.0131, 3.6240

Background



This preview shows how black text looks on a background with the XYZ color 21.5507, 16.0131, 3.6240.



This preview shows how white text looks on a background with the XYZ color 21.5507, 16.0131,

3.6240.

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

21.5507, 16.0131, 3.6240

Protanopia

14.6877, 16.1227, 4.6234

Deuteranopia

16.3603, 16.0595, 3.3999



Tritanopia

22.9822, 16.0217, 10.6853

Trichromacy



Original Color

21.5507, 16.0131, 3.6240

Protanomaly

16.7349, 15.7830, 4.1719

Deuteranomaly

18.0490, 15.8980, 3.4838

Tritanomaly

22.2681, 15.9510, 7.3740

Monochromacy



Original Color

21.5507, 16.0131, 3.6240

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.4628, 14.4233, 9.7536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5507, 16.0131, 3.6240 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(176, 86, 36)` looks like.

```
.text, #text, p{  
    color:rgb(176, 86, 36)  
}
```

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(176, 86, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 86, 36) }
```

Border

The CSS property to change the border of an element to XYZ 21.5507, 16.0131, 3.6240 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(176, 86, 36) }
```


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

```
.border{ border-color:rgb(176, 86, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 86, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 86, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 86, 36);  
box-shadow:4px 4px 4px 4px rgb(176, 86,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5507, 16.0131, 3.6240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 86, 36) }
```

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

```
.background{ background-color: rgb(176, 86,  
36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor