

Converting Colors

XYZ(16.5967, 21.3561, 4.9944)

Have a look what the booklet for
XYZ(16.5967, 21.3561, 4.9944)
contains.

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Color

**XYZ(16.6057, 21.3835,
5.0025)**

Conversions

Conversions Part 1

Format	Color
Hex	778725
RGB	119, 135, 37
RGB Percent	47%, 53%, 15%
CMY	0.5333, 0.4706, 0.8549
CMYK	0.12, 0.00, 0.73, 0.47
HSL	70°, 57%, 34%
HSV	70°, 73%, 53%
XYZ	16.6057, 21.3835, 5.0025
YIQ	119.0440, 21.9220, -33.8700

Conversions

Conversions Part 2

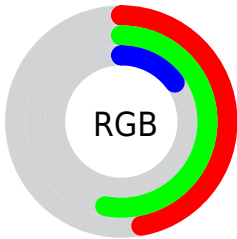
Format	Color
R_{YB}	37, 135, 53
Decimal	7833381
CIE _{Lab}	53.37, -19.48, 47.97
CIE _{LCh}	53, 51.769, 112.099
Yxy	21.3835, 0.3863, 0.4974
Android (android.graphics.Color)	4286023461 (0xFF778725)
YUV	119.0440, -40.4477, -0.0386
Hunter-Lab	46.2423, -16.8243, 25.9556

Details

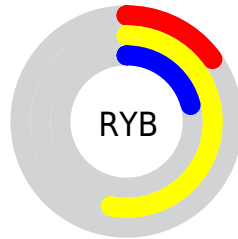
The XYZ color **16.6057, 21.3835, 5.0025** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.5037, 3.8298, 23.3194**, and the grayscale version is **17.6683, 18.5884, 20.2428**.

A 20% lighter version of the original color is **37.2420, 45.6864, 16.3067**, and **5.5632, 7.6903, 1.1912** is the 20% darker color. If you saturate the color by 10%, you get **16.1329, 21.1606, 4.0714**, and if you desaturate by 10%, it is **17.1650, 21.6434, 6.3478**.

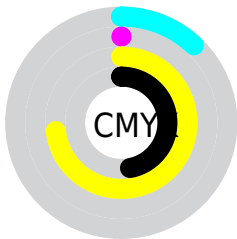
Distribution



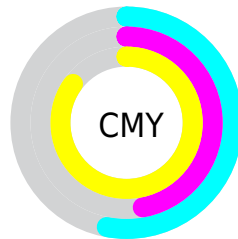
- Red (47%)
- Green (53%)
- Blue (15%)



- Red (15%)
- Yellow (53%)
- Blue (21%)



- Cyan (12%)
- Magenta (0%)
- Yellow (73%)
- Black (47%)



- Cyan (53%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6057, 21.3835, 5.0025 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 16.6057, 21.3835, 5.0025 by changing the saturation by 10% instead.

■ 16.6057, 21.3835,
5.0025

■ 16.6057, 21.3835,
5.0025

226.0906,
259.3096, 158.7900

■ 10.0473, 13.4046,
2.1900

■ 37.1956, 45.7249,
16.2628

■ 5.4929, 7.7078,
0.6686

■ 51.9578, 62.8562,
25.5476

■ 2.5769, 3.9085,
0.0000

■ 70.1854, 83.8072,
37.8269

■ 0.9342, 1.6225,
0.0000

■ 92.2436, 108.9621,
53.5193

■ 0.0000, 0.3727,
0.0000

■ 118.4979,
138.7054, 73.0432

■ 0.0000, 0.0000,
0.0000

■ 149.3136,

173.4215, 96.8173

185.0561,
213.4948, 125.2601

■ 16.6057, 21.3835,
5.0025

■ 16.6057, 21.3835,
5.0025

■ 16.1329, 21.1606,
4.0714

■ 17.1650, 21.6434,
6.3478

■ 15.7358, 20.9680,
3.5051

■ 17.8171, 21.9404,
8.1470

■ 15.4690, 20.8368,
3.2066

■ 18.5693, 22.2782,
10.4364

■ 19.4278, 22.6595,
13.2485

■ 20.3984, 23.0864,
16.6127

■ 21.4862, 23.5610,
20.5567

■ 22.6962, 24.0853,
25.1058

■ 24.0329, 24.6612,
30.2841

■ 25.5008, 25.2904,
36.1145

Harmonies

Analogous

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



21.8103, 21.3835, 4.3402



16.6057, 21.3835, 5.0025



13.0802, 21.3835, 9.2108

Triad

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



16.6057, 21.3835, 5.0025



14.5045, 21.3835, 56.2175



32.6773, 21.3835, 27.6911

Complementary

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



16.6057, 21.3835, 5.0025



6.5037, 3.8298, 23.3194

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.



29.8448, 21.3835, 47.2325



16.6057, 21.3835, 5.0025



18.9075, 21.3835, 67.9064

Square

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



16.6057, 21.3835, 5.0025



12.0281, 21.3835, 36.6108



24.5605, 21.3835, 64.0339



31.7591, 21.3835, 13.6600

Rectangle

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



16.6057, 21.3835, 5.0025



11.8426, 21.3835, 15.1714



24.5605, 21.3835, 64.0339



32.1166, 21.3835, 33.8675

Sweetspot

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



16.6062, 21.3845, 5.0029



36.5456, 41.3489, 29.8126



11.5410, 7.7144, 2.6313



8.3662, 9.5332, 6.5604



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.



16.6062, 21.3845, 5.0029



28.4225, 37.6672, 6.5764



11.6193, 18.8136, 4.7696



4.9671, 5.3856, 5.0071



14.2729, 19.2179, 2.9572



0.0544, 0.0691, 0.0105

Inverse Universe

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



6.5037, 3.8298, 23.3194



9.3483, 4.3656, 41.3983



10.3688, 5.8224, 23.5003



4.5001, 4.5784, 5.8473



4.3469, 1.7751, 21.2502



0.0192, 0.0083, 0.0738

Previews

White Background



This preview shows how the XYZ color 16.6057, 21.3835, 5.0025 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 16.6057, 21.3835, 5.0025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

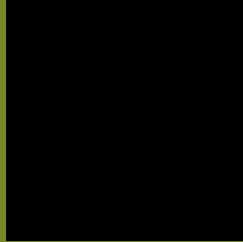
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6057, 21.3835, 5.0025

Background



This preview shows how black text looks on a background with the XYZ color 16.6057, 21.3835, 5.0025.



This preview shows how white text looks on a background with the XYZ color 16.6057, 21.3835,

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

16.6057, 21.3835, 5.0025

Protanopia

19.3502, 21.3993, 4.7007

Deuteranopia

21.5715, 21.2201, 5.2444



Tritanopia

20.9580, 21.3664, 26.3121

Trichromacy



Original Color

16.6057, 21.3835, 5.0025

Protanomaly

18.2663, 21.4283, 4.8424

Deuteranomaly

19.3627, 21.0111, 5.1328

Tritanomaly

18.6080, 20.9806, 15.1255

Monochromacy



Original Color

16.6057, 21.3835, 5.0025

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.7445, 19.3104, 12.2959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6057, 21.3835, 5.0025 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(119, 135, 37)` looks like.

```
.text, #text, p{  
    color:rgb(119, 135, 37)  
}
```

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(119, 135, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 135, 37) }
```

Border

The CSS property to change the border of an element to XYZ 16.6057, 21.3835, 5.0025 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(119, 135, 37) }
```


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

```
.border{ border-color:rgb(119, 135, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 135, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 135, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 135, 37);  
box-shadow:4px 4px 4px 4px rgb(119, 135,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6057, 21.3835, 5.0025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 135, 37) }
```

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

```
.background{ background-color: rgb(119,  
135, 37) }
```

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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