

Converting Colors

XYZ(16.5866, 24.5553, 5.3601)

Have a look what the booklet for
XYZ(16.5866, 24.5553, 5.3601)
contains.

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Color

**XYZ(16.5157, 24.4352,
5.3594)**

Conversions

Conversions Part 1

Format	Color
Hex	669522
RGB	102, 149, 34
RGB Percent	40%, 58%, 13%
CMY	0.6000, 0.4157, 0.8666
CMYK	0.32, 0.00, 0.77, 0.42
HSL	85°, 63%, 36%
HSV	85°, 77%, 58%
XYZ	16.5157, 24.4352, 5.3594
YIQ	121.8370, 8.9030, -45.7290

Conversions

Conversions Part 2

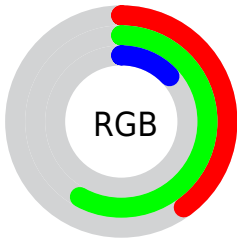
Format	Color
R _Y B	34, 149, 81
Decimal	6722850
CIE Lab	56.52, -33.58, 51.74
CIE LCh	57, 61.681, 122.983
Yxy	24.4352, 0.3566, 0.5276
Android (android.graphics.Color)	4284912930 (0xFF669522)
YUV	121.8370, -43.3036, -17.3970
Hunter-Lab	49.4320, -26.8674, 28.1742

Details

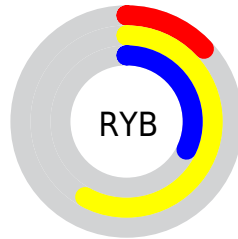
The XYZ color **16.5157, 24.4352, 5.3594** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.3913, 5.0641, 28.9177**, and the grayscale version is **18.5810, 19.5486, 21.2884**.

A 20% lighter version of the original color is **37.0220, 50.5846, 17.0450**, and **5.5866, 9.3637, 1.5129** is the 20% darker color. If you saturate the color by 10%, you get **15.6808, 24.0253, 4.4317**, and if you desaturate by 10%, it is **17.4957, 24.9107, 6.7814**.

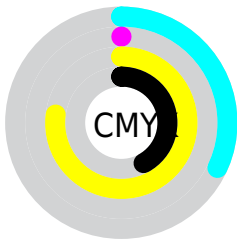
Distribution



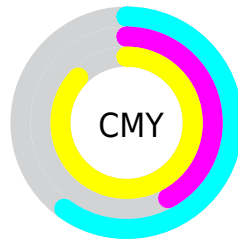
- Red (40%)
- Green (58%)
- Blue (13%)



- Red (13%)
- Yellow (58%)
- Blue (32%)



- Cyan (32%)
- Magenta (0%)
- Yellow (77%)
- Black (42%)



- Cyan (60%)
- Magenta (42%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5157, 24.4352, 5.3594 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 16.5157, 24.4352, 5.3594 by changing the saturation by 10% instead.

■ 16.5157, 24.4352,
5.3594

■ 16.5157, 24.4352,
5.3594

■ 225.5769,
275.0134, 162.3119

■ 9.9830, 15.6568,
2.3972

■ 37.0415, 50.7395,
17.0401

■ 5.4498, 9.2816,
0.7849

■ 51.7652, 69.0341,
26.5958

■ 2.5510, 4.9253,
0.0000

■ 69.9500, 91.2695,
39.1864

■ 0.9210, 2.2035,
0.0000

■ 91.9611, 117.8302,
55.2304

■ 0.0000, 0.7219,
0.0000

■ 118.1641,
149.1006, 75.1464

■ 0.0000, 0.0000,
0.0000

■ 148.9241,

185.4650, 99.3530

184.6066,
227.3078, 128.2686

■ 16.5157, 24.4352,
5.3594

■ 16.5157, 24.4352,
5.3594

■ 15.6808, 24.0253,
4.4317

■ 17.4957, 24.9107,
6.7814

■ 14.9699, 23.6698,
3.9005

■ 18.6308, 25.4535,
8.7526

■ 14.7821, 23.5756,
3.7715

■ 19.9319, 26.0687,
11.3224

■ 21.4082, 26.7602,
14.5342

■ 23.0682, 27.5315,
18.4274

■ 24.9197, 28.3858,
23.0384

■ 26.9700, 29.3262,
28.4007

■ 29.2259, 30.3555,
34.5459

■ 31.6940, 31.4764,
41.5037

Harmonies

Analogous

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



22.5168, 24.4352, 3.4749



16.5157, 24.4352, 5.3594



13.0038, 24.4352, 12.4284

Triad

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



16.5157, 24.4352, 5.3594



17.5227, 24.4352, 79.3565



39.8378, 24.4352, 24.6090

Complementary

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



16.5157, 24.4352, 5.3594



9.3913, 5.0641, 28.9177

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.



37.7521, 24.4352, 48.7991



16.5157, 24.4352, 5.3594



23.9477, 24.4352, 88.4782

Square

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



16.5157, 24.4352, 5.3594



13.4959, 24.4352, 54.3121



31.5421, 24.4352, 75.1863



36.7716, 24.4352, 10.4120

Rectangle

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



16.5157, 24.4352, 5.3594



12.0775, 24.4352, 22.0796



31.5421, 24.4352, 75.1863



39.7170, 24.4352, 31.7117

Sweetspot

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



16.5163, 24.4363, 5.3599



42.5001, 49.8531, 35.9111



15.5528, 12.2434, 3.0572



9.1839, 10.9396, 7.3835



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.5163, 24.4363, 5.3599



27.0878, 42.5277, 7.1812



12.1413, 22.1809, 5.1552



6.0385, 6.6277, 6.2015



12.4747, 19.8588, 3.1757



0.1862, 0.2603, 0.0404

Inverse Universe

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



9.3913, 5.0641, 28.9177



13.8187, 6.2261, 51.3947



16.3965, 8.6754, 29.2455



5.7106, 5.7418, 7.2770



6.2125, 2.6752, 24.1200



0.1081, 0.0493, 0.2967

Previews

White Background



This preview shows how the XYZ color 16.5157, 24.4352, 5.3594 looks on a white background.

Color Contrast Check

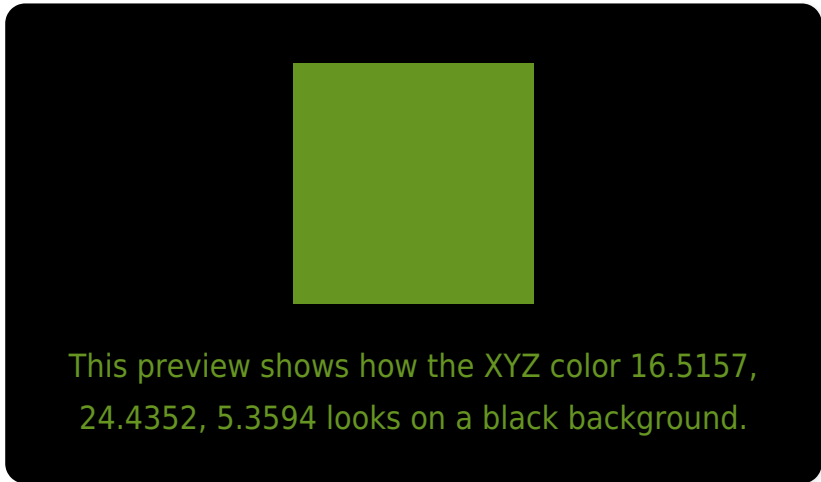
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 16.5157, 24.4352, 5.3594

Background



This preview shows how black text looks on a background with the XYZ color 16.5157, 24.4352, 5.3594.



This preview shows how white text looks on a background with the XYZ color 16.5157, 24.4352,

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

16.5157, 24.4352, 5.3594

Protanopia

21.8602, 24.1023, 4.7964

Deuteranopia

24.5174, 24.0478, 5.6350



Tritanopia

21.9401, 24.3802, 32.4037

Trichromacy



Original Color

16.5157, 24.4352, 5.3594

Protanomaly

19.4703, 23.9288, 4.9590

Deuteranomaly

20.8642, 23.7813, 5.4981

Tritanomaly

19.0848, 24.1071, 17.8346

Monochromacy



Original Color

16.5157, 24.4352, 5.3594

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.1670, 20.8856, 12.7994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5157, 24.4352, 5.3594 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, 149, 34)` looks like.

```
.text, #text, p{  
    color:rgb(102, 149, 34)  
}
```

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, 149, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 149, 34) }
```

Border

The CSS property to change the border of an element to XYZ 16.5157, 24.4352, 5.3594 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, 149, 34) }
```


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

```
.border{ border-color:rgb(102, 149, 34) }
```

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

Here you see how a box with a 4 pixel rgb(102, 149, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 149, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 149, 34);  
box-shadow:4px 4px 4px 4px rgb(102, 149,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5157, 24.4352, 5.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 149, 34) }
```

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

```
.background{ background-color: rgb(102,  
149, 34) }
```

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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