

Converting Colors

XYZ(13.4560, 16.3525, 3.2800)

Have a look what the booklet for
XYZ(13.4560, 16.3525, 3.2800)
contains.

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Color

**XYZ(13.4554, 16.3618,
3.2596)**

Conversions

Conversions Part 1

Format	Color
Hex	727517
RGB	114, 117, 23
RGB Percent	45%, 46%, 9%
CMY	0.5529, 0.5412, 0.9098
CMYK	0.03, 0.00, 0.80, 0.54
HSL	62°, 67%, 27%
HSV	62°, 80%, 46%
XYZ	13.4554, 16.3618, 3.2596
YIQ	105.3870, 28.3860, -29.8700

Conversions

Conversions Part 2

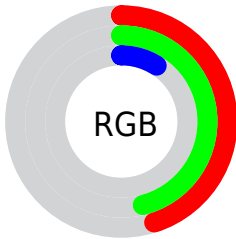
Format	Color
R_{YB}	23, 117, 26
Decimal	7501079
CIE Lab	47.45, -12.88, 47.29
CIE LCh	47, 49.012, 105.240
Yxy	16.3618, 0.4068, 0.4947
Android (android.graphics.Color)	4285691159 (0xFF727517)
YUV	105.3870, -40.6168, 7.5536
Hunter-Lab	40.4497, -11.4099, 23.5370

Details

The XYZ color **13.4554, 16.3618, 3.2596** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.9437, 2.1171, 17.0313**, and the grayscale version is **13.6344, 14.3444, 15.6211**.

A 20% lighter version of the original color is **31.8547, 37.3328, 12.3645**, and **4.1780, 5.3130, 0.8053** is the 20% darker color. If you saturate the color by 10%, you get **13.3147, 16.3005, 2.7705**, and if you desaturate by 10%, it is **13.6488, 16.4454, 4.0221**.

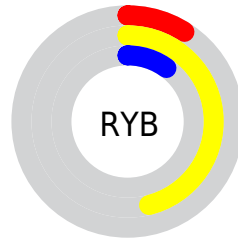
Distribution



Red (45%)

Green (46%)

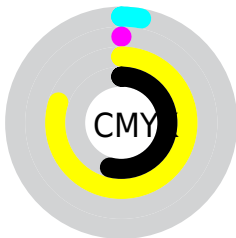
Blue (9%)



Red (9%)

Yellow (46%)

Blue (10%)

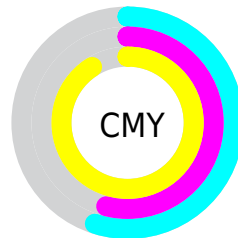


Cyan (3%)

Magenta (0%)

Yellow (80%)

Black (54%)



Cyan (55%)

Magenta (54%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4554, 16.3618, 3.2596 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 13.4554, 16.3618, 3.2596 by changing the saturation by 10% instead.

■ 13.4554, 16.3618,
3.2596

■ 13.4554, 16.3618,
3.2596

207.3951,
231.4673, 139.6013

■ 7.8220, 9.7805,
1.2287

■ 31.7139, 37.2252,
12.2626

■ 4.0321, 5.2537,
0.0022

■ 45.0698, 52.2761,
20.0717

■ 1.7203, 2.3969,
0.0000

■ 61.7306, 70.9190,
30.6439

■ 0.4689, 0.8243,
0.0000

■ 82.0616, 93.5383,
44.3979

■ 0.0000, 0.0000,
0.0000

■ 106.4282,
120.5183, 61.7520

■ 135.1958,

152.2436, 83.1250

168.7296,
189.0984, 108.9352

13.4554, 16.3618,
3.2596

13.4554, 16.3618,
3.2596

13.3147, 16.3005,
2.7705

13.6488, 16.4454,
4.0221

13.2059, 16.2516,
2.4408

13.8999, 16.5515,
5.0890

14.2142, 16.6829,
6.4880

14.5965, 16.8415,
8.2436

15.0509, 17.0290,
10.3781

■ 15.5813, 17.2469,
12.9116

■ 16.1913, 17.4967,
15.8632

■ 16.8843, 17.7796,
19.2506

■ 17.6633, 18.0971,
23.0903

Harmonies

Analogous

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



17.7803, 16.3618, 3.2429



13.4554, 16.3618, 3.2596



10.3378, 16.3618, 5.7139

Triad

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



13.4554, 16.3618, 3.2596



10.3756, 16.3618, 40.8019



25.1191, 16.3618, 24.6388

Complementary

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



13.4554, 16.3618, 3.2596



3.9437, 2.1171, 17.0313

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.



22.2761, 16.3618, 40.5557



13.4554, 16.3618, 3.2596



13.5170, 16.3618, 52.4531

Square

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



13.4554, 16.3618, 3.2596



8.7987, 16.3618, 24.8804



17.8545, 16.3618, 52.3464



25.0941, 16.3618, 12.2328

Rectangle

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



13.4554, 16.3618, 3.2596



9.1273, 16.3618, 9.5504



17.8545, 16.3618, 52.3464



24.4468, 16.3618, 29.8440

Sweetspot

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



13.4558, 16.3626, 3.2599



27.4765, 30.7087, 21.0877



7.8297, 4.5211, 1.2708



6.2562, 7.0353, 4.5572



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.4558, 16.3626, 3.2599



23.6933, 29.1205, 4.5478



8.9308, 14.0299, 3.0482



3.9556, 4.2606, 3.9562



14.5467, 17.9034, 2.6890



70.7439, 87.1716, 13.0972

Inverse Universe

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



3.9437, 2.1171, 17.0313



5.9517, 2.5026, 30.3064



6.1581, 3.2586, 17.1349



3.5104, 3.5949, 4.5991



3.5866, 1.4403, 18.6315



17.3396, 6.9474, 90.7874

Previews

White Background



This preview shows how the XYZ color 13.4554, 16.3618, 3.2596 looks on a white background.

Color Contrast Check

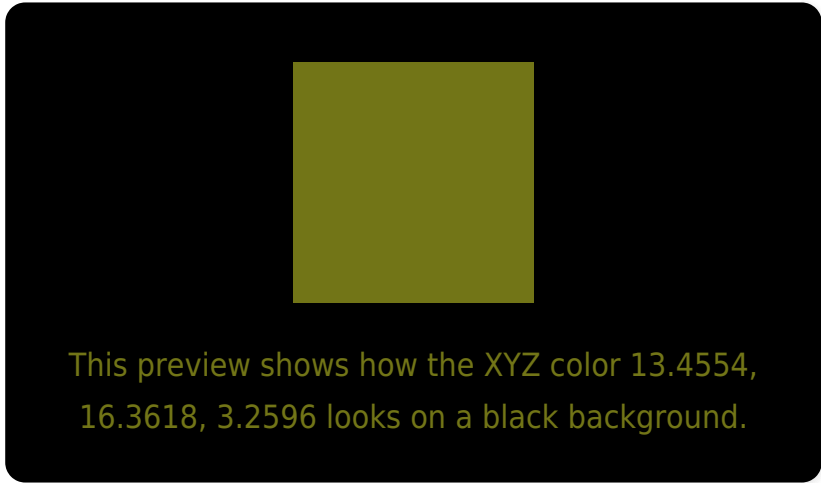
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.4554, 16.3618, 3.2596

Background



This preview shows how black text looks on a background with the XYZ color 13.4554, 16.3618, 3.2596.



This preview shows how white text looks on a background with the XYZ color 13.4554, 16.3618,

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

13.4554, 16.3618, 3.2596

Protanopia

14.8023, 16.3802, 3.1406

Deuteranopia

16.4640, 16.2668, 3.4345



Tritanopia

16.7056, 16.3592, 19.1068

Trichromacy



Original Color

13.4554, 16.3618, 3.2596

Protanomaly

14.1882, 16.2301, 3.1440

Deuteranomaly

15.2423, 16.2733, 3.3746

Tritanomaly

14.9633, 16.1348, 10.5093

Monochromacy



Original Color

13.4554, 16.3618, 3.2596

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.9230, 14.6334, 8.8000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4554, 16.3618, 3.2596 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(114, 117, 23)` looks like.

```
.text, #text, p{  
    color:rgb(114, 117, 23)  
}
```

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(114, 117, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 117, 23) }
```

Border

The CSS property to change the border of an element to XYZ 13.4554, 16.3618, 3.2596 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(114, 117, 23) }
```


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

```
.border{ border-color:rgb(114, 117, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 117, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 117, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 117, 23);  
box-shadow:4px 4px 4px 4px rgb(114, 117,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4554, 16.3618, 3.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 117, 23) }
```

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

```
.background{ background-color: rgb(114,  
117, 23) }
```

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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