

Converting Colors

XYZ(13.4322, 16.1353, 4.4947)

Have a look what the booklet for
XYZ(13.4322, 16.1353, 4.4947)
contains.

XYZ(13.4557, 16.1616, 4.5081)	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(13.4557, 16.1616,
4.5081)**

Conversions

Conversions Part 1

Format	Color
Hex	717429
RGB	113, 116, 41
RGB Percent	44%, 45%, 16%
CMY	0.5569, 0.5451, 0.8392
CMYK	0.03, 0.00, 0.65, 0.55
HSL	62°, 48%, 31%
HSV	62°, 65%, 45%
XYZ	13.4557, 16.1616, 4.5081
YIQ	106.5530, 22.2870, -23.9610

Conversions

Conversions Part 2

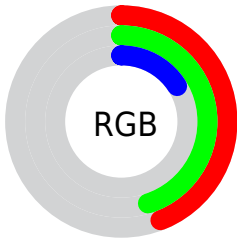
Format	Color
RYB	41, 116, 44
Decimal	7435305
CIELab	47.19, -11.76, 39.75
CIELCh	47, 41.455, 106.482
Yxy	16.1616, 0.3943, 0.4736
Android (android.graphics.Color)	4285625385 (0xFF717429)
YUV	106.5530, -32.3176, 5.6540
Hunter-Lab	40.2015, -10.6075, 21.4924

Details

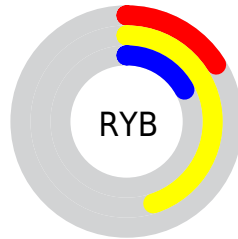
The XYZ color **13.4557, 16.1616, 4.5081** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.9845, 3.3826, 16.9142**, and the grayscale version is **13.9340, 14.6596, 15.9644**.

A 20% lighter version of the original color is **31.7844, 36.9589, 15.1314**, and **4.0537, 5.1584, 0.7820** is the 20% darker color. If you saturate the color by 10%, you get **13.2230, 16.0622, 3.5920**, and if you desaturate by 10%, it is **13.7492, 16.2865, 5.7393**.

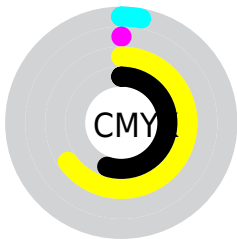
Distribution



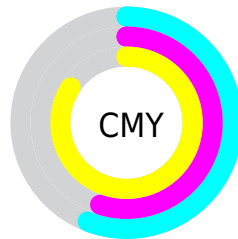
- Red (44%)
- Green (45%)
- Blue (16%)



- Red (16%)
- Yellow (45%)
- Blue (17%)



- Cyan (3%)
- Magenta (0%)
- Yellow (65%)
- Black (55%)



- Cyan (56%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4557, 16.1616, 4.5081 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 13.4557, 16.1616, 4.5081 by changing the saturation by 10% instead.

■ 13.4557, 16.1616,
4.5081

■ 13.4557, 16.1616,
4.5081

207.3970,
230.2934, 153.7158

■ 7.8222, 9.6386,
1.9080

■ 31.7145, 36.8785,
15.1656

■ 4.0323, 5.1600,
0.4978

■ 45.0705, 51.8412,
24.0601

■ 1.7204, 2.3414,
0.0000

■ 61.7314, 70.3859,
35.8898

■ 0.4690, 0.7955,
0.0000

■ 82.0626, 92.8970,
51.0733

■ 0.0000, 0.0000,
0.0000

■ 106.4294,
119.7589, 70.0291

■ 135.1972,

151.3560, 93.1758

168.7312,
188.0727, 120.9318

■ 13.4557, 16.1616,
4.5081

■ 13.4557, 16.1616,
4.5081

■ 13.2230, 16.0622,
3.5920

■ 13.7492, 16.2865,
5.7393

■ 13.0444, 15.9840,
2.9615

■ 14.1071, 16.4367,
7.3098

■ 12.9118, 15.9241,
2.5712

■ 14.5342, 16.6144,
9.2425

■ 12.8465, 15.8943,
2.3908

■ 15.0342, 16.8215,
11.5579

■ 15.6108, 17.0592,
14.2753

■ 16.2674, 17.3289,
17.4123

■ 17.0072, 17.6320,
20.9857

■ 17.8332, 17.9696,
25.0114

■ 18.7483, 18.3428,
29.5044

Harmonies

Analogous

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



17.0597, 16.1616, 4.4005



13.4557, 16.1616, 4.5081



10.8153, 16.1616, 7.0725

Triad

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



13.4557, 16.1616, 4.5081



11.0197, 16.1616, 36.5543



23.2403, 16.1616, 22.7229

Complementary

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



13.4557, 16.1616, 4.5081



4.9845, 3.3826, 16.9142

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.



21.0298, 16.1616, 35.3708



13.4557, 16.1616, 4.5081



13.7792, 16.1616, 45.2472

Square

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



13.4557, 16.1616, 4.5081



9.5689, 16.1616, 23.9343



17.4384, 16.1616, 44.7442



23.1167, 16.1616, 12.4909

Rectangle

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



13.4557, 16.1616, 4.5081



9.7853, 16.1616, 10.7368



17.4384, 16.1616, 44.7442



22.7323, 16.1616, 26.8920

Sweetspot

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



13.4561, 16.1623, 4.5084



26.9330, 29.7767, 22.6963



8.4854, 5.6378, 2.7390



6.3702, 7.0810, 5.1558



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.



13.4561, 16.1623, 4.5084



23.0640, 28.1551, 5.6650



9.6267, 14.1882, 4.3292



3.9529, 4.2592, 3.9561



14.4121, 17.8340, 2.6827



70.0534, 86.8156, 13.0649

Inverse Universe

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



4.9845, 3.3826, 16.9142



6.8799, 3.7180, 29.3995



7.3391, 4.5965, 17.0244



3.5129, 3.5962, 4.5992



3.5990, 1.4467, 18.6321



17.3649, 6.9604, 90.7886

Previews

White Background



This preview shows how the XYZ color 13.4557, 16.1616, 4.5081 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 13.4557, 16.1616, 4.5081 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 13.4557, 16.1616, 4.5081

Background



This preview shows how black text looks on a background with the XYZ color 13.4557, 16.1616, 4.5081.



This preview shows how white text looks on a background with the XYZ color 13.4557, 16.1616,

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

13.4557, 16.1616, 4.5081

Protanopia

14.6346, 16.1015, 4.3441

Deuteranopia

16.2561, 15.9789, 4.6103



Tritanopia

16.4253, 16.2147, 19.0937

Trichromacy



Original Color

13.4557, 16.1616, 4.5081

Protanomaly

14.1733, 16.0284, 4.3543

Deuteranomaly

15.2179, 16.0721, 4.5857

Tritanomaly

14.9335, 16.0915, 11.7701

Monochromacy



Original Color

13.4557, 16.1616, 4.5081

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4439, 15.0276, 10.3757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4557, 16.1616, 4.5081 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(113, 116, 41)` looks like.

```
.text, #text, p{  
    color:rgb(113, 116, 41)  
}
```

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(113, 116, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 116, 41) }
```

Border

The CSS property to change the border of an element to XYZ 13.4557, 16.1616, 4.5081 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(113, 116, 41) }
```


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

```
.border{ border-color:rgb(113, 116, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 116, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 116, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 116, 41);  
box-shadow:4px 4px 4px 4px rgb(113, 116,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4557, 16.1616, 4.5081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 116, 41) }
```

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

```
.background{ background-color: rgb(113,  
116, 41) }
```

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