

Converting Colors

XYZ(13.4046, 16.1497, 19.5502)

Have a look what the booklet for
XYZ(13.4046, 16.1497, 19.5502)
contains.

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Color

**XYZ(13.4046, 16.1497,
19.5502)**

Conversions

Conversions Part 1

Format	Color
Hex	547676
RGB	84, 118, 118
RGB Percent	33%, 46%, 46%
CMY	0.6706, 0.5372, 0.5373
CMYK	0.29, 0.00, 0.00, 0.54
HSL	180°, 17%, 40%
HSV	180°, 29%, 46%
XYZ	13.4046, 16.1497, 19.5502
YIQ	107.8340, -20.2640, -7.2080

Conversions

Conversions Part 2

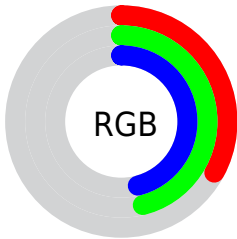
Format	Color
R_{YB}	84, 101, 118
Decimal	5535350
CIE _{Lab}	47.17, -12.03, -3.92
CIE _{LCh}	47, 12.647, 198.040
Yxy	16.1497, 0.2730, 0.3289
Android (android.graphics.Color)	4283725430 (0xFF547676)
YUV	107.8340, 5.0118, -20.9024
Hunter-Lab	40.1867, -10.7866, -0.7130

Details

The XYZ color **13.4046, 16.1497, 19.5502** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.2424, 10.8328, 9.8339**, and the grayscale version is **14.1982, 14.9376, 16.2671**.

A 20% lighter version of the original color is **31.6221, 36.8026, 43.4672**, and **4.0232, 5.1976, 6.5855** is the 20% darker color. If you saturate the color by 10%, you get **12.4363, 15.6509, 19.5050**, and if you desaturate by 10%, it is **14.5519, 16.7415, 19.6044**.

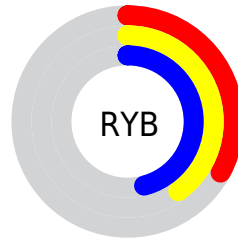
Distribution



Red (33%)

Green (46%)

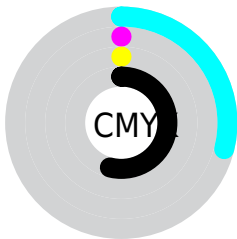
Blue (46%)



Red (33%)

Yellow (40%)

Blue (46%)

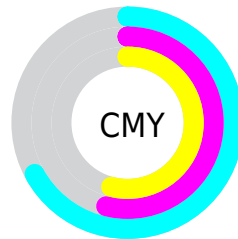


Cyan (29%)

Magenta (0%)

Yellow (0%)

Black (54%)



Cyan (67%)

Magenta (54%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4046, 16.1497, 19.5502 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 13.4046, 16.1497, 19.5502 by changing the saturation by 10% instead.

■ 13.4046, 16.1497,
19.5502

■ 13.4046, 16.1497,
19.5502

207.0803,
230.2235, 261.9928

■ 7.7867, 9.6301,
11.8877

■ 31.6239, 36.8579,
43.5108

■ 4.0094, 5.1544,
6.5456

■ 44.9561, 51.8153,
60.6459

■ 1.7074, 2.3382,
3.1055

■ 61.5903, 70.3542,
81.7757

■ 0.4609, 0.7938,
1.1488

■ 81.8919, 92.8588,
107.3186

■ 0.0000, 0.0000,
0.0000

■ 106.2264,
119.7137, 137.6932

134.9591,

151.3032, 173.3181

168.4552,
188.0116, 214.6118

■ 13.4046, 16.1497,
19.5502

■ 13.4046, 16.1497,
19.5502

■ 12.4363, 15.6509,
19.5050

■ 14.5519, 16.7415,
19.6044

■ 11.6365, 15.2386,
19.4674

■ 15.8849, 17.4287,
19.6670

■ 10.9961, 14.9085,
19.4373

■ 17.4120, 18.2160,
19.7386

■ 10.5044, 14.6550,
19.4141

■ 19.1404, 19.1070,
19.8197

■ 10.1495, 14.4721,
19.3973

■ 21.0771, 20.1054,
19.9105

■ 9.9175, 14.3525,
19.3862

■ 23.2288, 21.2146,
20.0114

■ 9.7661, 14.2744,
19.3790

■ 25.6017, 22.4379,
20.1227

■ 9.7485, 14.2654,
19.3781

■ 28.2019, 23.7784,
20.2445

■ 31.0352, 25.2390,
20.3773

Harmonies

Analogous

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



13.3510, 16.1497, 16.3452



13.4046, 16.1497, 19.5502



13.9637, 16.1497, 22.5438

Triad

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



13.4046, 16.1497, 19.5502



16.9958, 16.1497, 22.0061



15.7973, 16.1497, 12.2467

Complementary

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



13.4046, 16.1497, 19.5502



12.2424, 10.8328, 9.8339

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.



16.8247, 16.1497, 13.4113



13.4046, 16.1497, 19.5502



17.5387, 16.1497, 18.8845

Square

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



13.4046, 16.1497, 19.5502



16.0217, 16.1497, 24.0754



17.4746, 16.1497, 15.7548



14.6969, 16.1497, 12.3793

Rectangle

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



13.4046, 16.1497, 19.5502



14.5638, 16.1497, 23.8991



17.4746, 16.1497, 15.7548



16.1636, 16.1497, 12.4931

Sweetspot

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



13.4051, 16.1504, 19.5506



27.8269, 30.5911, 34.5747



11.7862, 15.5087, 10.7601



6.3308, 6.9988, 7.9461



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.



13.4051, 16.1504, 19.5506



22.3357, 27.7604, 34.3169



11.6355, 12.6111, 18.9612



3.7833, 4.1553, 4.6928



10.5461, 15.4324, 20.9635



51.3922, 75.2041, 102.1571

Inverse Universe

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



12.2424, 10.8328, 9.8339



19.9153, 16.6910, 14.0902



13.6709, 13.6899, 10.3097



3.6840, 3.7009, 3.8625



8.0828, 4.1668, 0.3784



39.3886, 20.3056, 1.8437

Previews

White Background



This preview shows how the XYZ color 13.4046, 16.1497, 19.5502 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 13.4046, 16.1497, 19.5502 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

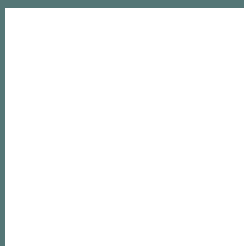
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4046, 16.1497, 19.5502

Background



This preview shows how black text looks on a background with the XYZ color 13.4046, 16.1497, 19.5502.



This preview shows how white text looks on a background with the XYZ color 13.4046, 16.1497,

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

13.4046, 16.1497, 19.5502

Protanopia

15.5318, 16.0945, 18.2075

Deuteranopia

16.2239, 15.9327, 19.9895



Tritanopia

13.9649, 16.2074, 22.1310

Trichromacy



Original Color

13.4046, 16.1497, 19.5502

Protanomaly

14.5913, 16.0972, 18.5577

Deuteranomaly

15.0678, 15.9844, 19.7439

Tritanomaly

13.6828, 16.0839, 21.1222

Monochromacy



Original Color

13.4046, 16.1497, 19.5502

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8644, 15.4108, 17.5731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4046, 16.1497, 19.5502 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(84, 118, 118)` looks like.

```
.text, #text, p{  
    color:rgb(84, 118, 118)  
}
```

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(84, 118, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 118, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.4046, 16.1497, 19.5502 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(84, 118, 118) }
```


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

```
.border{ border-color:rgb(84, 118, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 118, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 118, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 118, 118);  
box-shadow:4px 4px 4px 4px rgb(84, 118,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4046, 16.1497, 19.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 118, 118) }
```

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

```
.background{ background-color: rgb(84, 118,  
118) }
```

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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