

Converting Colors

XYZ(13.4416, 16.4694, 24.7467)

Have a look what the booklet for
XYZ(13.4416, 16.4694, 24.7467)
contains.

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Color

**XYZ(13.4044, 16.3916,
24.6477)**

Conversions

Conversions Part 1	
Format	Color
Hex	457885
RGB	69, 120, 133
RGB Percent	27%, 47%, 52%
CMY	0.7294, 0.5294, 0.4784
CMYK	0.48, 0.10, 0.00, 0.48
HSL	192°, 32%, 40%
HSV	192°, 48%, 52%
XYZ	13.4044, 16.3916, 24.6477
YIQ	106.2330, -34.5690, -6.7690

Conversions

Conversions Part 2

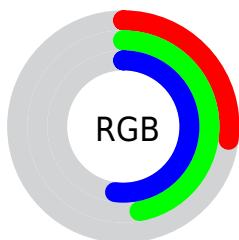
Format	Color
RYB	69, 97, 133
Decimal	4552837
CIELab	47.48, -13.38, -12.43
CIELCh	47, 18.265, 222.905
Yxy	16.3916, 0.2462, 0.3011
Android (android.graphics.Color)	4282742917 (0xFF457885)
YUV	106.2330, 13.1961, -32.6533
Hunter-Lab	40.4865, -11.7532, -7.7544

Details

The XYZ color **13.4044, 16.3916, 24.6477** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7648, 11.4513, 7.1157**, and the grayscale version is **13.7357, 14.4510, 15.7372**.

A 20% lighter version of the original color is **31.5006, 37.1152, 51.9581**, and **3.9662, 5.2092, 8.9800** is the 20% darker color. If you saturate the color by 10%, you get **12.2444, 15.3184, 24.5020**, and if you desaturate by 10%, it is **14.7861, 17.5934, 24.8071**.

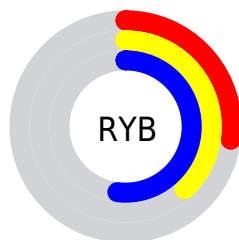
Distribution



Red (27%)

Green (47%)

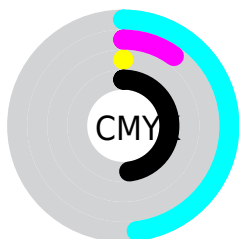
Blue (52%)



Red (27%)

Yellow (38%)

Blue (52%)

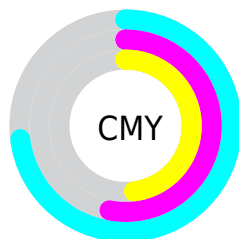


Cyan (48%)

Magenta (10%)

Yellow (0%)

Black (48%)



Cyan (73%)


Magenta (53%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4044, 16.3916, 24.6477 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 13.4044, 16.3916, 24.6477 by changing the saturation by 10% instead.


 13.4044, 16.3916,
24.6477


 13.4044, 16.3916,
24.6477


207.0790,
231.6415, 289.4702


 7.7865, 9.8017,
15.5981


 31.6236, 37.2767,
52.0421


 4.0093, 5.2677,
9.0890


 44.9556, 52.3407,
71.2241


 1.7074, 2.4052,
4.7017

 61.5897, 70.9982,
94.6206

 0.4609, 0.8285,
2.0176

 81.8913, 93.6335,
122.6502

 0.0000, 0.0000,
0.5661

 106.2256,
120.6311, 155.7314

 0.0000, 0.0000,
0.0000

134.9581,

152.3754, 194.2828

168.4541,
189.2507, 238.7228

■ 13.4044, 16.3916,
24.6477

■ 13.4044, 16.3916,
24.6477

■ 12.2444, 15.3184,
24.5020

■ 14.7861, 17.5934,
24.8071

■ 11.2902, 14.3645,
24.3681

■ 16.4010, 18.9288,
24.9798

■ 10.5262, 13.5219,
24.2458

■ 18.2616, 20.4047,
25.1666

■ 9.9336, 12.7811,
24.1340

■ 20.3792, 22.0270,
25.3681

■ 9.4702, 12.1199,
24.0308

■ 22.7641, 23.8012,
25.5849

■ 9.3863, 11.9987,
24.0118

■ 25.4263, 25.7324,
25.8173

■ 28.3751, 27.8256,
26.0659

■ 31.6194, 30.0856,
26.3312

■ 35.1678, 32.5167,
26.6134

Harmonies

Analogous

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



12.7323, 16.3916, 19.9185



13.4044, 16.3916, 24.6477



14.6805, 16.3916, 27.8225

Triad

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



13.4044, 16.3916, 24.6477



18.7560, 16.3916, 20.6051



14.8933, 16.3916, 10.4782

Complementary

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



13.4044, 16.3916, 24.6477



13.7648, 11.4513, 7.1157

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.



16.5149, 16.3916, 10.5972



13.4044, 16.3916, 24.6477



18.8229, 16.3916, 15.9256

Square

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



13.4044, 16.3916, 24.6477



17.8016, 16.3916, 25.2250



17.9785, 16.3916, 12.4297



13.5508, 16.3916, 12.0703

Rectangle

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



13.4044, 16.3916, 24.6477



15.7384, 16.3916, 28.3410



17.9785, 16.3916, 12.4297



15.4221, 16.3916, 10.3287

Sweetspot

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



13.4049, 16.3922, 24.6481



34.0881, 37.6127, 45.2017



12.3577, 18.6468, 10.8913



7.5252, 8.3546, 10.1687



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.4049, 16.3922, 24.6481



21.7029, 27.2157, 43.8477



10.1946, 9.9716, 23.5780



4.7235, 5.1225, 5.9405



8.9462, 11.4403, 22.8734



0.0360, 0.0497, 0.0809

Inverse Universe

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



15.1916, 10.5994, 19.0151



25.4409, 15.9714, 31.8668



16.7423, 17.4063, 8.1082



4.8184, 4.7471, 5.6563



11.6938, 5.7418, 13.4916



0.0431, 0.0209, 0.0601

Previews

White Background



This preview shows how the XYZ color 13.4044, 16.3916, 24.6477 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 13.4044, 16.3916, 24.6477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

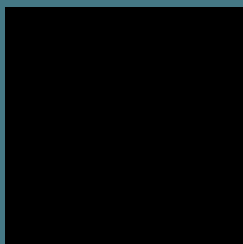
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4044, 16.3916, 24.6477

Background



This preview shows how black text looks on a background with the XYZ color 13.4044, 16.3916, 24.6477.



This preview shows how white text looks on a background with the XYZ color 13.4044, 16.3916,

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

13.4044, 16.3916, 24.6477

Protanopia

15.9456, 16.2162, 22.3683

Deuteranopia

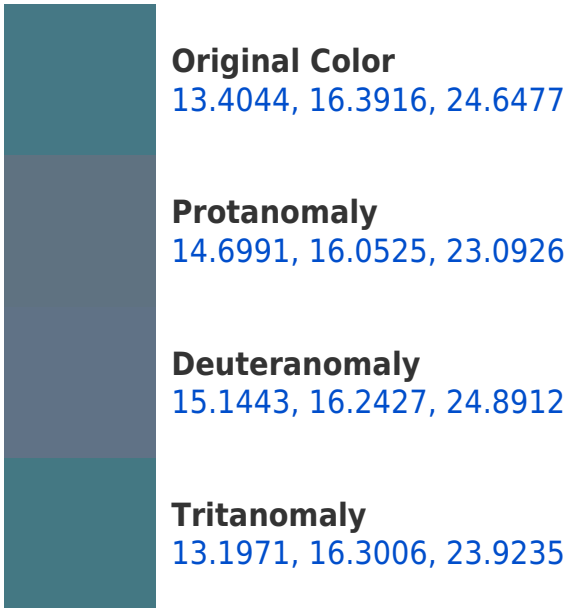
16.6312, 16.3459, 25.2002



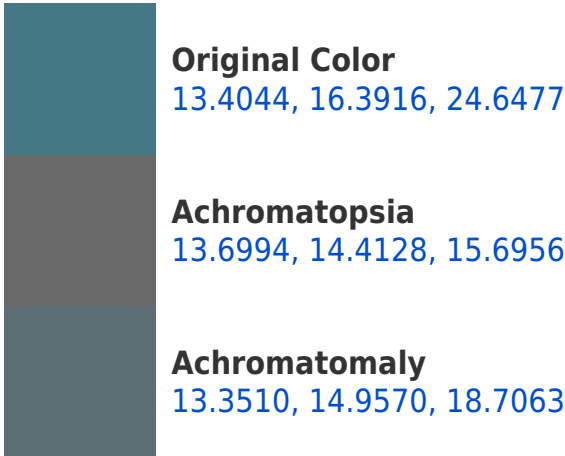
Tritanopia

13.1296, 16.2736, 23.5682

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4044, 16.3916, 24.6477 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(69, 120, 133) looks like.

```
.text, #text, p{  
    color:rgb(69, 120, 133)  
}
```

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(69, 120, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 120, 133) }
```

Border

The CSS property to change the border of an element to XYZ 13.4044, 16.3916, 24.6477 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(69, 120, 133) }
```


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

```
.border{ border-color:rgb(69, 120, 133) }
```

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

Here you see how a box with a 4 pixel rgb(69, 120, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 120, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 120, 133);  
box-shadow:4px 4px 4px 4px rgb(69, 120,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4044, 16.3916, 24.6477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 120, 133) }
```

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

```
.background{ background-color: rgb(69, 120,  
133) }
```

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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