

Converting Colors

XYZ(16.1446, 24.1039, 20.4485)

Have a look what the booklet for
XYZ(16.1446, 24.1039, 20.4485)
contains.

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Color

**XYZ(16.1731, 24.1636,
20.3346)**

Conversions

Conversions Part 1

Format	Color
Hex	409674
RGB	64, 150, 116
RGB Percent	25%, 59%, 45%
CMY	0.7490, 0.4118, 0.5451
CMYK	0.57, 0.00, 0.23, 0.41
HSL	156°, 40%, 42%
HSV	156°, 57%, 59%
XYZ	16.1731, 24.1636, 20.3346
YIQ	120.4100, -40.3420, -28.8060

Conversions

Conversions Part 2

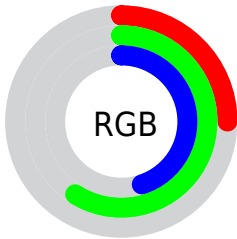
Format	Color
RYB	64, 118, 150
Decimal	4232820
CIELab	56.25, -34.36, 10.25
CIELCh	56, 35.855, 163.387
Yxy	24.1636, 0.2666, 0.3983
Android (android.graphics.Color)	4282422900 (0xFF409674)
YUV	120.4100, -2.1741, -49.4716
Hunter-Lab	49.1565, -27.2951, 9.8830

Details

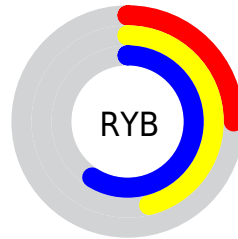
The XYZ color **16.1731, 24.1636, 20.3346** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.6165, 11.0333, 12.8102**, and the grayscale version is **18.0006, 18.9380, 20.6235**.

A 20% lighter version of the original color is **36.5070, 50.4117, 44.8521**, and **5.4111, 9.1527, 6.9503** is the 20% darker color. If you saturate the color by 10%, you get **14.9918, 23.5939, 18.5359**, and if you desaturate by 10%, it is **17.6401, 24.8794, 22.2627**.

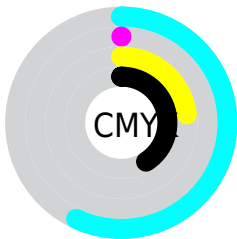
Distribution



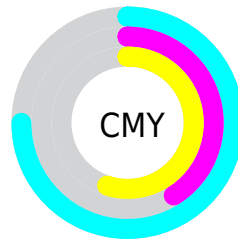
- Red (25%)
- Green (59%)
- Blue (45%)



- Red (25%)
- Yellow (46%)
- Blue (59%)



- Cyan (57%)
- Magenta (0%)
- Yellow (23%)
- Black (41%)



- Cyan (75%)
- Magenta (41%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1731, 24.1636, 20.3346 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 16.1731, 24.1636, 20.3346 by changing the saturation by 10% instead.

■ 16.1731, 24.1636,
20.3346

■ 16.1731, 24.1636,
20.3346

223.6114,
273.6465, 266.3847

■ 9.7384, 15.4550,
12.4520

■ 36.4535, 50.2970,
44.8438

■ 5.2868, 9.1394,
6.9260

■ 51.0298, 68.4907,
62.3074

■ 2.4530, 4.8322,
3.3381

■ 69.0507, 90.6148,
83.8019

■ 0.8716, 2.1491,
1.2698

■ 90.8816, 117.0538,
109.7457

■ 0.0000, 0.6920,
0.0368

■ 116.8877,
148.1921, 140.5573

■ 0.0000, 0.0000,
0.0000

147.4345,

184.4141, 176.6553

182.8872,
226.1041, 218.4583

■ 16.1731, 24.1636,
20.3346

■ 16.1731, 24.1636,
20.3346

■ 14.9918, 23.5939,
18.5359

■ 17.6401, 24.8794,
22.2627

■ 14.0723, 23.1559,
16.8619

■ 19.4104, 25.7483,
24.3215

■ 13.3899, 22.8378,
15.3096

■ 21.5025, 26.7804,
26.5145

■ 12.9008, 22.6169,
13.8748

■ 23.9328, 27.9842,
28.8443

■ 12.7820, 22.5636,
13.5106

■ 26.7164, 29.3674,
31.3137

■ 29.8676, 30.9374,
33.9251

■ 33.3999, 32.7010,
36.6810

■ 37.3260, 34.6648,
39.5839

■ 41.6582, 36.8351,
42.6360

Harmonies

Analogous

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



17.9373, 24.1636, 13.0126



16.1731, 24.1636, 20.3346



16.0818, 24.1636, 31.9283

Triad

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



16.1731, 24.1636, 20.3346



24.8528, 24.1636, 55.1772



29.2274, 24.1636, 13.5864

Complementary

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



16.1731, 24.1636, 20.3346



16.6165, 11.0333, 12.8102

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.



31.5804, 24.1636, 21.3929



16.1731, 24.1636, 20.3346



28.8582, 24.1636, 46.5145

Square

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



16.1731, 24.1636, 20.3346



20.7726, 24.1636, 54.6366



31.4377, 24.1636, 33.3545



25.3102, 24.1636, 9.9924

Rectangle

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



16.1731, 24.1636, 20.3346



16.9596, 24.1636, 40.8965



31.4377, 24.1636, 33.3545



30.2474, 24.1636, 15.6839

Sweetspot

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



16.1738, 24.1646, 20.3352



42.2332, 49.3834, 50.9008



16.9128, 24.8028, 8.7470



9.1813, 10.8557, 11.1151



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.



16.1738, 24.1646, 20.3352



25.9181, 41.3787, 31.7932



17.2041, 22.4609, 32.2838



5.8680, 6.5238, 6.9156



10.6168, 18.7195, 11.2896



0.1445, 0.2349, 0.2148

Inverse Universe

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



16.6165, 11.0333, 12.8102



26.7944, 15.8738, 17.2589



15.8602, 11.5676, 6.2478



5.8901, 5.8511, 6.5274



11.1079, 5.6482, 4.0495



0.1498, 0.0747, 0.1223

Previews

White Background



This preview shows how the XYZ color 16.1731, 24.1636, 20.3346 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



This preview shows how the XYZ color 16.1731, 24.1636, 20.3346 looks on a 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 16.1731, 24.1636, 20.3346

Background



This preview shows how black text looks on a background with the XYZ color 16.1731, 24.1636, 20.3346.



This preview shows how white text looks on a background with the XYZ color 16.1731, 24.1636,

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

16.1731, 24.1636, 20.3346

Protanopia

22.3872, 23.8837, 17.6174

Deuteranopia

24.2503, 23.7564, 21.3965



Tritanopia

19.1867, 24.2289, 35.1179

Trichromacy



Original Color

16.1731, 24.1636, 20.3346

Protanomaly

19.1868, 23.4813, 18.5600

Deuteranomaly

20.0212, 23.2163, 20.8787

Tritanomaly

17.9139, 24.1682, 28.9201

Monochromacy



Original Color

16.1731, 24.1636, 20.3346

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.7016, 20.2738, 20.4857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1731, 24.1636, 20.3346 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(64, 150, 116)` looks like.

```
.text, #text, p{  
    color:rgb(64, 150, 116)  
}
```

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(64, 150, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 150, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.1731, 24.1636, 20.3346 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(64, 150, 116) }
```


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

```
.border{ border-color:rgb(64, 150, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 150, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 150, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 150, 116);  
box-shadow:4px 4px 4px 4px rgb(64, 150,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1731, 24.1636, 20.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 150, 116) }
```

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

```
.background{ background-color: rgb(64, 150,  
116) }
```

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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