

Converting Colors

XYZ(16.0373, 24.2655, 17.4117)

Have a look what the booklet for
XYZ(16.0373, 24.2655, 17.4117)
contains.

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Color

**XYZ(15.9621, 24.1185,
17.4497)**

Conversions

Conversions Part 1

Format	Color
Hex	45966A
RGB	69, 150, 106
RGB Percent	27%, 59%, 42%
CMY	0.7294, 0.4118, 0.5843
CMYK	0.54, 0.00, 0.29, 0.41
HSL	147°, 37%, 43%
HSV	147°, 54%, 59%
XYZ	15.9621, 24.1185, 17.4497
YIQ	120.7650, -34.1520, -30.8560

Conversions

Conversions Part 2

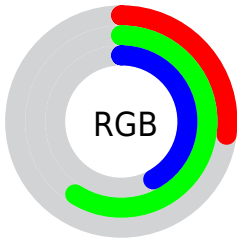
Format	Color
RYB	69, 125, 150
Decimal	4560490
CIELab	56.21, -35.37, 15.86
CIElCh	56, 38.767, 155.854
Yxy	24.1185, 0.2775, 0.4192
Android (android.graphics.Color)	4282750570 (0xFF45966A)
YUV	120.7650, -7.2791, -45.3979
Hunter-Lab	49.1106, -27.9268, 13.3108

Details

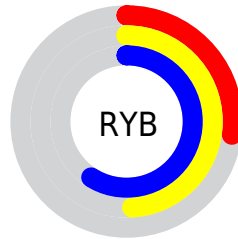
The XYZ color **15.9621, 24.1185, 17.4497** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.6872, 11.9331, 16.9948**, and the grayscale version is **18.1293, 19.0734, 20.7709**.

A 20% lighter version of the original color is **36.0855, 50.3079, 39.7068**, and **5.1439, 9.0473, 5.4782** is the 20% darker color. If you saturate the color by 10%, you get **14.6258, 23.4769, 15.2795**, and if you desaturate by 10%, it is **17.6089, 24.9168, 19.8457**.

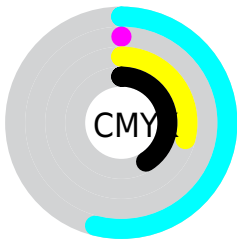
Distribution



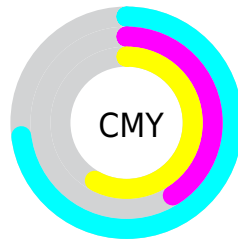
- Red (27%)
- Green (59%)
- Blue (42%)



- Red (27%)
- Yellow (49%)
- Blue (59%)



- Cyan (54%)
- Magenta (0%)
- Yellow (29%)
- Black (41%)



- Cyan (73%)
- Magenta (41%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9621, 24.1185, 17.4497 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 15.9621, 24.1185, 17.4497 by changing the saturation by 10% instead.

■ 15.9621, 24.1185,
17.4497

■ 15.9621, 24.1185,
17.4497

222.3928,
273.4190, 249.8818

■ 9.5880, 15.4215,
10.3903

■ 36.0904, 50.2235,
39.8986

■ 5.1868, 9.1158,
5.5495

■ 50.5753, 68.4003,
56.1251

■ 2.3932, 4.8168,
2.5088

■ 68.4945, 90.5059,
76.2444

■ 0.8417, 2.1402,
0.8448

■ 90.2134, 116.9247,
100.6751

■ 0.0000, 0.6871,
0.0000

■ 116.0973,
148.0410, 129.8356

■ 0.0000, 0.0000,
0.0000

146.5116,

184.2392, 164.1445

181.8216,
225.9037, 204.0204

■ 15.9621, 24.1185,
17.4497

■ 15.9621, 24.1185,
17.4497

■ 14.6258, 23.4769,
15.2795

■ 17.6089, 24.9168,
19.8457

■ 13.5764, 22.9781,
13.3267

■ 19.5840, 25.8789,
22.4723

■ 12.7896, 22.6102,
11.5845

■ 21.9059, 27.0149,
25.3365

■ 12.2356, 22.3581,
10.0451

■ 24.5911, 28.3332,
28.4440

■ 11.9661, 22.2373,
9.2137

■ 27.6553, 29.8417,
31.8008

■ 31.1128, 31.5478,
35.4123

■ 34.9776, 33.4584,
39.2839

■ 39.2627, 35.5804,
43.4209

■ 43.9806, 37.9199,
47.8282

Harmonies

Analogous

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



18.2637, 24.1185, 10.9734



15.9621, 24.1185, 17.4497



15.4148, 24.1185, 28.8435

Triad

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



15.9621, 24.1185, 17.4497



23.8088, 24.1185, 59.0059



30.5913, 24.1185, 14.3531

Complementary

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



15.9621, 24.1185, 17.4497



17.6872, 11.9331, 16.9948

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.



32.5448, 24.1185, 23.8373



15.9621, 24.1185, 17.4497



28.3162, 24.1185, 51.5854

Square

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



15.9621, 24.1185, 17.4497



19.5954, 24.1185, 55.6105



31.6626, 24.1185, 37.6287



26.6095, 24.1185, 9.6333

Rectangle

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



15.9621, 24.1185, 17.4497



16.0471, 24.1185, 38.4777



31.6626, 24.1185, 37.6287



31.5289, 24.1185, 16.9497

Sweetspot

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



15.9627, 24.1195, 17.4503



42.2404, 49.4318, 48.8869



18.8623, 25.7907, 9.6144



9.1637, 10.8578, 10.6079



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.



15.9627, 24.1195, 17.4503



25.3448, 41.2076, 26.1445



18.5458, 25.1527, 31.0523



5.8332, 6.5099, 6.7323



9.9399, 18.4487, 7.7249



0.1362, 0.2316, 0.1713

Inverse Universe

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



17.6872, 11.9331, 16.9948



28.7161, 17.3416, 25.2230



15.9107, 11.2225, 7.6399



5.9246, 5.8649, 6.7093



11.6949, 5.8830, 7.1401



0.1580, 0.0780, 0.1658

Previews

White Background



This preview shows how the XYZ color 15.9621, 24.1185, 17.4497 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 15.9621, 24.1185, 17.4497 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 15.9621, 24.1185, 17.4497

Background



This preview shows how black text looks on a background with the XYZ color 15.9621, 24.1185, 17.4497.



This preview shows how white text looks on a background with the XYZ color 15.9621, 24.1185,

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

15.9621, 24.1185, 17.4497

Protanopia

22.2788, 23.8803, 15.2395

Deuteranopia

24.2371, 23.8168, 18.3586



Tritanopia

19.4569, 24.1521, 34.6467

Trichromacy



Original Color

15.9621, 24.1185, 17.4497

Protanomaly

19.1125, 23.4974, 16.0985

Deuteranomaly

20.0182, 23.2805, 17.9065

Tritanomaly

17.9361, 23.9836, 27.3509

Monochromacy



Original Color

15.9621, 24.1185, 17.4497

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.8831, 20.5883, 19.6071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9621, 24.1185, 17.4497 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, 150, 106)` looks like.

```
.text, #text, p{  
    color:rgb(69, 150, 106)  
}
```

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, 150, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 150, 106) }
```

Border

The CSS property to change the border of an element to XYZ 15.9621, 24.1185, 17.4497 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, 150, 106) }
```


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

```
.border{ border-color:rgb(69, 150, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 150, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 150, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 150, 106);  
box-shadow:4px 4px 4px 4px rgb(69, 150,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9621, 24.1185, 17.4497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 150, 106) }
```

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

```
.background{ background-color: rgb(69, 150,  
106) }
```

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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