

Converting Colors

XYZ(11.8821, 15.8610, 15.0607)

Have a look what the booklet for
XYZ(11.8821, 15.8610, 15.0607)
contains.

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Color

**XYZ(11.8624, 15.8087,
14.9965)**

Conversions

Conversions Part 1

Format	Color
Hex	497866
RGB	73, 120, 102
RGB Percent	29%, 47%, 40%
CMY	0.7137, 0.5294, 0.6000
CMYK	0.39, 0.00, 0.15, 0.53
HSL	157°, 24%, 38%
HSV	157°, 39%, 47%
XYZ	11.8624, 15.8087, 14.9965
YIQ	103.8950, -22.2340, -15.5620

Conversions

Conversions Part 2

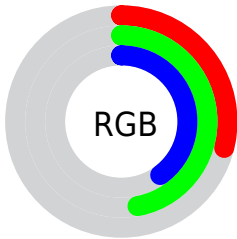
Format	Color
R_{YB}	73, 102, 120
Decimal	4814950
CIE _{Lab}	46.72, -20.49, 4.86
CIE _{LCh}	47, 21.053, 166.663
Yxy	15.8087, 0.2780, 0.3705
Android (android.graphics.Color)	4283005030 (0xFF497866)
YUV	103.8950, -0.9342, -27.0949
Hunter-Lab	39.7602, -16.3250, 5.4695

Details

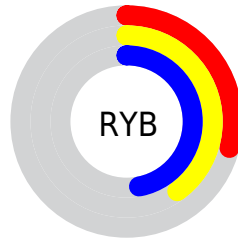
The XYZ color **11.8624, 15.8087, 14.9965** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0172, 9.5139, 11.1012**, and the grayscale version is **13.1370, 13.8212, 15.0513**.

A 20% lighter version of the original color is **29.0055, 36.4721, 35.6481**, and **3.3195, 4.9765, 4.4000** is the 20% darker color. If you saturate the color by 10%, you get **10.8179, 15.2963, 13.7908**, and if you desaturate by 10%, it is **13.0959, 16.4179, 16.2778**.

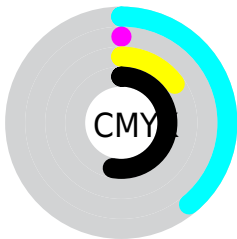
Distribution



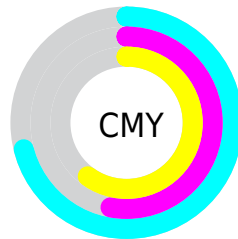
- Red (29%)
- Green (47%)
- Blue (40%)



- Red (29%)
- Yellow (40%)
- Blue (47%)



- Cyan (39%)
- Magenta (0%)
- Yellow (15%)
- Black (53%)



- Cyan (71%)
- Magenta (53%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8624, 15.8087, 14.9965 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 11.8624, 15.8087, 14.9965 by changing the saturation by 10% instead.

■ 11.8624, 15.8087,
14.9965

■ 11.8624, 15.8087,
14.9965

197.2808,
228.2102, 234.9851

■ 6.7216, 9.3889,
8.6703

■ 28.8633, 36.2658,
35.5893

■ 3.3334, 4.9957,
4.4329

■ 41.4541, 51.0718,
50.6929

■ 1.3324, 2.2447,
1.8657

■ 57.2589, 69.4421,
69.5595

■ 0.2073, 0.7442,
0.4708

■ 76.6431, 91.7609,
92.6076

■ 0.0000, 0.0000,
0.0000

■ 99.9720, 118.4128,
120.2556

127.6110,

149.7820, 152.9222

159.9255,
186.2530, 191.0258

■ 11.8624, 15.8087,
14.9965

■ 11.8624, 15.8087,
14.9965

■ 10.8179, 15.2963,
13.7908

■ 13.0959, 16.4179,
16.2778

■ 9.9507, 14.8734,
12.6579

■ 14.5266, 17.1269,
17.6349

■ 9.2500, 14.5349,
11.5967

■ 16.1638, 17.9409,
19.0698

■ 8.7029, 14.2743,
10.6054

■ 18.0159, 18.8641,
20.5838

■ 8.2947, 14.0839,
9.6823

■ 20.0905, 19.9005,
22.1781

■ 7.9796, 13.9401,
8.8238

■ 22.3953, 21.0539,
23.8542

■ 7.9542, 13.9284,
8.7550

■ 24.9372, 22.3280,
25.6133

■ 27.7231, 23.7262,
27.4565

■ 30.7594, 25.2520,
29.3852

Harmonies

Analogous

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



12.6145, 15.8087, 11.1944



11.8624, 15.8087, 14.9965



11.9075, 15.8087, 20.2595

Triad

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



11.8624, 15.8087, 14.9965



16.0548, 15.8087, 28.7518



17.5658, 15.8087, 10.8876

Complementary

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



11.8624, 15.8087, 14.9965



12.0172, 9.5139, 11.1012

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.



18.6456, 15.8087, 14.4883



11.8624, 15.8087, 14.9965



17.7261, 15.8087, 25.0752

Square

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



11.8624, 15.8087, 14.9965



14.2304, 15.8087, 28.9649



18.7066, 15.8087, 19.6378



15.8501, 15.8087, 9.1671

Rectangle

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



11.8624, 15.8087, 14.9965



12.3821, 15.8087, 23.9405



18.7066, 15.8087, 19.6378



18.0210, 15.8087, 11.8810

Sweetspot

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



11.8628, 15.8093, 14.9969



27.4877, 31.0856, 32.7350



12.2356, 16.1396, 8.7740



6.4458, 7.3329, 7.6985



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.8628, 15.8093, 14.9969



19.1979, 26.9865, 24.4639



12.2141, 14.9247, 20.0070



4.0451, 4.4876, 4.7711



8.6702, 15.1917, 9.5139



40.9324, 72.2960, 43.1435

Inverse Universe

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



12.0172, 9.5139, 11.1012



19.5127, 14.2599, 16.6025



11.7077, 9.9923, 7.6153



4.0559, 4.0381, 4.4922



8.9807, 4.5684, 3.1893



42.4513, 21.6368, 13.1724

Previews

White Background



This preview shows how the XYZ color 11.8624, 15.8087, 14.9965 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 11.8624, 15.8087, 14.9965 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 11.8624, 15.8087, 14.9965

Background



This preview shows how black text looks on a background with the XYZ color 11.8624, 15.8087, 14.9965.



This preview shows how white text looks on a background with the XYZ color 11.8624, 15.8087,

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

11.8624, 15.8087, 14.9965

Protanopia

14.8038, 15.6598, 13.5517

Deuteranopia

15.9759, 15.7463, 15.5619



Tritanopia

13.3516, 15.8912, 22.1023

Trichromacy



Original Color

11.8624, 15.8087, 14.9965

Protanomaly

13.5250, 15.6448, 14.1113

Deuteranomaly

14.1186, 15.5911, 15.3620

Tritanomaly

12.7499, 15.8190, 19.2110

Monochromacy



Original Color

11.8624, 15.8087, 14.9965

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5383, 14.4583, 14.9619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8624, 15.8087, 14.9965 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(73, 120, 102)` looks like.

```
.text, #text, p{  
    color:rgb(73, 120, 102)  
}
```

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(73, 120, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 120, 102) }
```

Border

The CSS property to change the border of an element to XYZ 11.8624, 15.8087, 14.9965 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(73, 120, 102) }
```


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

```
.border{ border-color:rgb(73, 120, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 120, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 120, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 120, 102);  
box-shadow:4px 4px 4px 4px rgb(73, 120,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8624, 15.8087, 14.9965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 120, 102) }
```

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

```
.background{ background-color: rgb(73, 120,  
102) }
```

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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