

Converting Colors

XYZ(11.9027, 15.8029, 24.9501)

Have a look what the booklet for
XYZ(11.9027, 15.8029, 24.9501)
contains.

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Color

**XYZ(11.9034, 15.7893,
24.9745)**

Conversions

Conversions Part 1

Format	Color
Hex	257986
RGB	37, 121, 134
RGB Percent	15%, 47%, 53%
CMY	0.8549, 0.5255, 0.4745
CMYK	0.72, 0.10, 0.00, 0.47
HSL	188°, 57%, 34%
HSV	188°, 72%, 53%
XYZ	11.9034, 15.7893, 24.9745
YIQ	97.3660, -54.2370, -13.7650

Conversions

Conversions Part 2

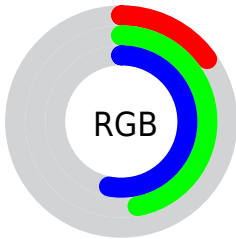
Format	Color
RYB	37, 82, 134
Decimal	2455942
CIELab	46.70, -20.09, -14.33
CIElCh	47, 24.674, 215.501
Yxy	15.7893, 0.2260, 0.2998
Android (android.graphics.Color)	4280646022 (0xFF257986)
YUV	97.3660, 18.0606, -52.9410
Hunter-Lab	39.7358, -16.0654, -9.4496

Details

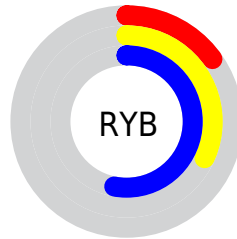
The XYZ color **11.9034, 15.7893, 24.9745** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.3065, 7.4836, 2.5993**, and the grayscale version is **11.4195, 12.0142, 13.0834**.

A 20% lighter version of the original color is **29.0355, 36.4013, 52.5095**, and **3.9176, 5.2748, 9.1992** is the 20% darker color. If you saturate the color by 10%, you get **11.2919, 15.1534, 24.8843**, and if you desaturate by 10%, it is **12.6965, 16.5255, 25.0751**.

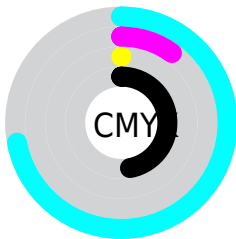
Distribution



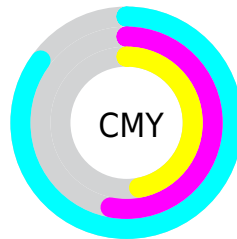
- Red (15%)
- Green (47%)
- Blue (53%)



- Red (15%)
- Yellow (32%)
- Blue (53%)



- Cyan (72%)
- Magenta (10%)
- Yellow (0%)
- Black (47%)



- Cyan (85%)
- Magenta (53%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9034, 15.7893, 24.9745 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 11.9034, 15.7893, 24.9745 by changing the saturation by 10% instead.

■ 11.9034, 15.7893,
24.9745

■ 11.9034, 15.7893,
24.9745

■ 197.5477,
228.0952, 291.1545

■ 6.7497, 9.3752,
15.8392

■ 28.9374, 36.2320,
52.5795

■ 3.3510, 4.9867,
9.2573

■ 41.5484, 51.0294,
71.8862

■ 1.3420, 2.2395,
4.8103

■ 57.3759, 69.3901,
95.4205

■ 0.2143, 0.7414,
2.0796

■ 76.7852, 91.6983,
123.6010

■ 0.0000, 0.0000,
0.6036

■ 100.1417,
118.3385, 156.8460

■ 0.0000, 0.0000,
0.0000

■ 127.8107,

149.6951, 195.5743

160.1576,
186.1526, 240.2043

■ 11.9034, 15.7893,
24.9745

■ 11.9034, 15.7893,
24.9745

■ 11.2919, 15.1534,
24.8843

■ 12.6965, 16.5255,
25.0751

■ 10.8401, 14.6055,
24.8023

■ 13.6872, 17.3693,
25.1857

■ 10.5534, 14.2218,
24.7434

■ 14.8911, 18.3291,
25.3076

■ 16.3222, 19.4122,
25.4412

■ 17.9929, 20.6249,
25.5872

■ 19.9150, 21.9735,
25.7462

■ 22.0994, 23.4634,
25.9187

■ 24.5564, 25.1001,
26.1051

■ 27.2955, 26.8886,
26.3059

Harmonies

Analogous

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



11.2762, 15.7893, 18.3453



11.9034, 15.7893, 24.9745



13.3664, 15.7893, 30.2834

Triad

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



11.9034, 15.7893, 24.9745



19.0671, 15.7893, 22.5502



14.6166, 15.7893, 7.9345

Complementary

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



11.9034, 15.7893, 24.9745



11.3065, 7.4836, 2.5993

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.



16.7772, 15.7893, 8.5504



11.9034, 15.7893, 24.9745



19.4820, 15.7893, 16.0878

Square

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



11.9034, 15.7893, 24.9745



17.5231, 15.7893, 28.6670



18.6086, 15.7893, 11.2216



12.7445, 15.7893, 9.2785

Rectangle

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



11.9034, 15.7893, 24.9745



14.6871, 15.7893, 31.8011



18.6086, 15.7893, 11.2216



15.3320, 15.7893, 7.9238

Sweetspot

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



11.9039, 15.7899, 24.9749



31.6696, 36.3160, 45.0789



9.8628, 17.6736, 5.9022



6.9782, 8.0694, 10.1425



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.



11.9039, 15.7899, 24.9749



19.3457, 26.0517, 43.7473



7.4207, 6.8236, 23.4805



4.7498, 5.1753, 5.9493



9.8956, 13.3389, 23.1898



0.0379, 0.0535, 0.0816

Inverse Universe

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



13.9447, 7.7724, 18.8550



23.3844, 11.8306, 31.2671



14.5743, 14.0192, 3.6886



4.8318, 4.7524, 5.7264



12.1729, 5.9335, 16.0149



0.0440, 0.0213, 0.0652

Previews

White Background



This preview shows how the XYZ color 11.9034, 15.7893, 24.9745 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 11.9034, 15.7893, 24.9745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

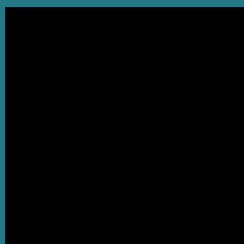
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9034, 15.7893, 24.9745

Background



This preview shows how black text looks on a background with the XYZ color 11.9034, 15.7893, 24.9745.

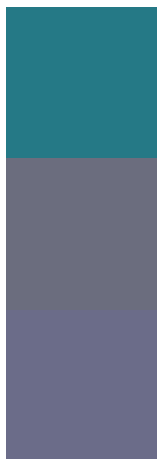


This preview shows how white text looks on a background with the XYZ color 11.9034, 15.7893,

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

11.9034, 15.7893, 24.9745

Protanopia

15.2979, 15.5694, 21.9376

Deuteranopia

15.9413, 15.6571, 25.8488



Tritanopia

11.6272, 15.6708, 23.8847

Trichromacy



Original Color

11.9034, 15.7893, 24.9745

Protanomaly

13.3473, 15.1891, 22.9972

Deuteranomaly

13.8287, 15.3817, 25.5327

Tritanomaly

11.7298, 15.7158, 24.2450

Monochromacy



Original Color

11.9034, 15.7893, 24.9745

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.8702, 12.9297, 16.6746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9034, 15.7893, 24.9745 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(37, 121, 134)` looks like.

```
.text, #text, p{  
    color:rgb(37, 121, 134)  
}
```

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(37, 121, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 121, 134) }
```

Border

The CSS property to change the border of an element to XYZ 11.9034, 15.7893, 24.9745 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(37, 121, 134) }
```


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

```
.border{ border-color:rgb(37, 121, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 121, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 121, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 121, 134);  
box-shadow:4px 4px 4px 4px rgb(37, 121,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9034, 15.7893, 24.9745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 121, 134) }
```

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

```
.background{ background-color: rgb(37, 121,  
134) }
```

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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