

Converting Colors

XYZ(13.0365, 15.9002, 25.0567)

Have a look what the booklet for
XYZ(13.0365, 15.9002, 25.0567)
contains.

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Color

**XYZ(12.9615, 15.8019,
24.9212)**

Conversions

Conversions Part 1

Format	Color
Hex	417686
RGB	65, 118, 134
RGB Percent	25%, 46%, 53%
CMY	0.7451, 0.5372, 0.4745
CMYK	0.51, 0.12, 0.00, 0.47
HSL	194°, 35%, 39%
HSV	194°, 51%, 53%
XYZ	12.9615, 15.8019, 24.9212
YIQ	103.9770, -36.7240, -6.2600

Conversions

Conversions Part 2

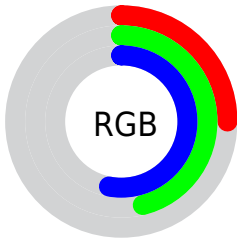
Format	Color
RYB	65, 95, 134
Decimal	4290182
CIELab	46.71, -12.96, -14.21
CIELCh	47, 19.232, 227.648
Yxy	15.8019, 0.2414, 0.2943
Android (android.graphics.Color)	4282480262 (0xFF417686)
YUV	103.9770, 14.8013, -34.1828
Hunter-Lab	39.7516, -11.3632, -9.3441

Details

The XYZ color **12.9615, 15.8019, 24.9212** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7285, 11.3353, 6.4659**, and the grayscale version is **13.1211, 13.8044, 15.0330**.

A 20% lighter version of the original color is **30.8156, 36.1889, 52.3747**, and **3.8279, 5.0398, 9.1585** is the 20% darker color. If you saturate the color by 10%, you get **11.8177, 14.6783, 24.7649**, and if you desaturate by 10%, it is **14.3288, 17.0593, 25.0921**.

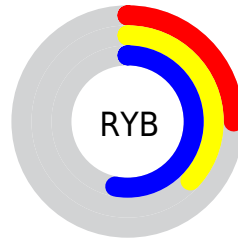
Distribution



Red (25%)

Green (46%)

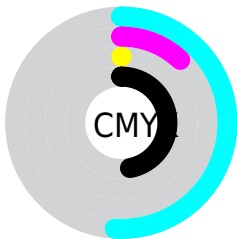
Blue (53%)



Red (25%)

Yellow (37%)

Blue (53%)

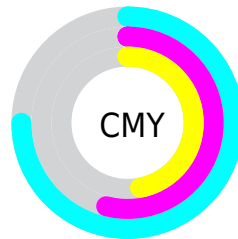


Cyan (51%)

Magenta (12%)

Yellow (0%)

Black (47%)



Cyan (75%)

Magenta (54%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9615, 15.8019, 24.9212 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 12.9615, 15.8019, 24.9212 by changing the saturation by 10% instead.

■ 12.9615, 15.8019,
24.9212

■ 12.9615, 15.8019,
24.9212

204.3134,
228.1699, 290.8804

■ 7.4789, 9.3841,
15.7999

■ 30.8365, 36.2540,
52.4919

■ 3.8123, 4.9925,
9.2298

■ 43.9596, 51.0570,
71.7783

■ 1.5965, 2.2429,
4.7925

■ 60.3602, 69.4239,
95.2902

■ 0.3901, 0.7432,
2.0695

■ 80.4036, 91.7390,
123.4461

■ 0.0000, 0.0000,
0.5975

■ 104.4553,
118.3868, 156.6645

■ 0.0000, 0.0000,
0.0000

132.8806,

149.7516, 195.3640

166.0448,
186.2178, 239.9631

■ 12.9615, 15.8019,
24.9212

■ 12.9615, 15.8019,
24.9212

■ 11.8177, 14.6783,
24.7649

■ 14.3288, 17.0593,
25.0921

■ 10.8807, 13.6787,
24.6213

■ 15.9320, 18.4560,
25.2772

■ 10.1338, 12.7946,
24.4901

■ 17.7840, 19.9993,
25.4775

■ 9.5567, 12.0155,
24.3701

■ 19.8967, 21.6953,
25.6935

■ 9.1463, 11.4076,
24.2744

■ 22.2808, 23.5498,
25.9258

■ 24.9468, 25.5683,
26.1749

■ 27.9043, 27.7560,
26.4413

■ 31.1626, 30.1178,
26.7254

■ 34.7306, 32.6583,
27.0277

Harmonies

Analogous

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



12.1669, 15.8019, 20.1417



12.9615, 15.8019, 24.9212



14.3439, 15.8019, 27.8222

Triad

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



12.9615, 15.8019, 24.9212



18.3733, 15.8019, 19.2452



14.0682, 15.8019, 9.8560

Complementary

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



12.9615, 15.8019, 24.9212



13.7285, 11.3353, 6.4659

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.



15.7155, 15.8019, 9.7053



12.9615, 15.8019, 24.9212



18.2858, 15.8019, 14.5697

Square

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



12.9615, 15.8019, 24.9212



17.5150, 15.8019, 24.1612



17.2840, 15.8019, 11.2736



12.7726, 15.8019, 11.7322

Rectangle

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



12.9615, 15.8019, 24.9212



15.4499, 15.8019, 28.0029



17.2840, 15.8019, 11.2736



14.5966, 15.8019, 9.6163

Sweetspot

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



12.9620, 15.8025, 24.9216



33.5707, 37.0446, 45.1194



12.1517, 18.7529, 10.5595



7.4130, 8.2253, 10.1496



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.



12.9620, 15.8025, 24.9216



20.4851, 25.5151, 43.5836



9.6968, 9.2720, 23.8332



4.7125, 5.1007, 5.9369



8.5797, 10.7071, 22.7512



0.0352, 0.0481, 0.0807

Inverse Universe

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



14.9923, 10.1575, 18.3105



24.6468, 14.9668, 29.8028



16.8543, 17.5869, 7.5079



4.8129, 4.7449, 5.6272



11.5087, 5.6678, 12.5172



0.0427, 0.0207, 0.0580

Previews

White Background



This preview shows how the XYZ color 12.9615, 15.8019, 24.9212 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 12.9615, 15.8019, 24.9212 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 12.9615, 15.8019, 24.9212

Background



This preview shows how black text looks on a background with the XYZ color 12.9615, 15.8019, 24.9212.



This preview shows how white text looks on a background with the XYZ color 12.9615, 15.8019,

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

12.9615, 15.8019, 24.9212

Protanopia

15.4283, 15.6216, 22.6242

Deuteranopia

15.9908, 15.6908, 25.4784



Tritanopia

12.6092, 15.8354, 23.1608

Trichromacy



Original Color

12.9615, 15.8019, 24.9212

Protanomaly

14.2371, 15.4754, 23.3558

Deuteranomaly

14.5810, 15.6129, 25.1668

Tritanomaly

12.8079, 15.9223, 23.8710

Monochromacy



Original Color

12.9615, 15.8019, 24.9212

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7796, 14.3487, 18.3157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9615, 15.8019, 24.9212 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(65, 118, 134)` looks like.

```
.text, #text, p{  
    color:rgb(65, 118, 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(65, 118, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 118, 134) }
```

Border

The CSS property to change the border of an element to XYZ 12.9615, 15.8019, 24.9212 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(65, 118, 134) }
```


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

```
.border{ border-color:rgb(65, 118, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 118, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 118, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 118, 134);  
box-shadow:4px 4px 4px 4px rgb(65, 118,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9615, 15.8019, 24.9212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 118, 134) }
```

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

```
.background{ background-color: rgb(65, 118,  
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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