

Converting Colors

XYZ(12.6033, 24.6632, 4.5795)

Have a look what the booklet for
XYZ(12.6033, 24.6632, 4.5795)
contains.

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Color

**XYZ(12.5889, 24.6296,
4.5807)**

Conversions

Conversions Part 1

Format	Color
Hex	139E10
RGB	19, 158, 16
RGB Percent	7%, 62%, 6%
CMY	0.9255, 0.3804, 0.9372
CMYK	0.88, 0.00, 0.90, 0.38
HSL	119°, 82%, 34%
HSV	119°, 90%, 62%
XYZ	12.5889, 24.6296, 4.5807
YIQ	100.2510, -37.2620, -73.6300

Conversions

Conversions Part 2

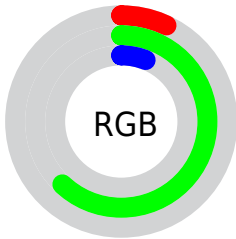
Format	Color
RYB	16, 158, 155
Decimal	1285648
CIELab	56.71, -58.55, 55.81
CIELCh	57, 80.884, 136.372
Yxy	24.6296, 0.3012, 0.5892
Android (android.graphics.Color)	4279475728 (0xFF139E10)
YUV	100.2510, -41.5357, -71.2571
Hunter-Lab	49.6282, -41.5703, 29.2673

Details

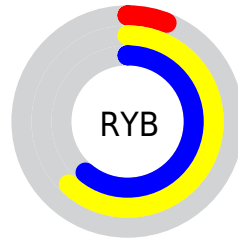
The XYZ color **12.5889, 24.6296, 4.5807** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.8781, 9.8098, 33.1949**, and the grayscale version is **12.2875, 12.9274, 14.0780**.

A 20% lighter version of the original color is **30.2100, 51.1158, 15.2953**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **12.2727, 24.4780, 4.0839**, and if you desaturate by 10%, it is **13.1606, 24.9061, 5.4667**.

Distribution



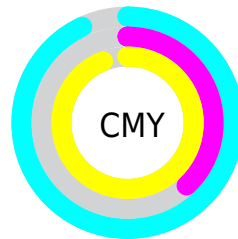
- Red (7%)
- Green (62%)
- Blue (6%)



- Red (6%)
- Yellow (62%)
- Blue (61%)



- Cyan (88%)
- Magenta (0%)
- Yellow (90%)
- Black (38%)



- Cyan (93%)
- Magenta (38%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5889, 24.6296, 4.5807 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 12.5889, 24.6296, 4.5807 by changing the saturation by 10% instead.

■ 12.5889, 24.6296,
4.5807

■ 12.5889, 24.6296,
4.5807

201.9572,
275.9883, 154.4763

■ 7.2211, 15.8013,
1.9490

■ 30.1709, 51.0557,
15.3283

■ 3.6483, 9.3837,
0.5237

■ 43.1158, 69.4223,
24.2813

■ 1.5052, 4.9923,
0.0000

■ 59.3171, 91.7371,
36.1785

■ 0.3293, 2.2427,
0.0000

■ 79.1401, 118.3845,
51.4385


■ 0.0000, 0.7431,
0.0000


■ 102.9503,
149.7489, 70.4797


■ 0.0000, 0.0000,
0.0000

■ 131.1130,


186.2148, 93.7207


 163.9935,
228.1664, 121.5801


 12.5889, 24.6296,
4.5807


 12.5889, 24.6296,
4.5807


 12.2727, 24.4780,
4.0839


 13.1606, 24.9061,
5.4667

 12.2690, 24.4762,
4.0777

 14.0649, 25.3414,
6.9044

 15.3427, 25.9558,
8.9644

 17.0284, 26.7659,
11.7063

 19.1528, 27.7863,
15.1830

■ 21.7435, 29.0302,
19.4420

■ 24.8259, 30.5099,
24.5269

■ 28.4237, 32.2367,
30.4780

■ 32.5588, 34.2210,
37.3331

Harmonies

Analogous

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



18.6637, 24.6296, 1.4830



12.5889, 24.6296, 4.5807



9.8442, 24.6296, 16.3524

Triad

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



12.5889, 24.6296, 4.5807



19.3937, 24.6296, 115.5020



45.4599, 24.6296, 14.6861

Complementary

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



12.5889, 24.6296, 4.5807



19.8781, 9.8098, 33.1949

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.



45.8104, 24.6296, 41.0008



12.5889, 24.6296, 4.5807



28.8990, 24.6296, 113.8075

Square

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



12.5889, 24.6296, 4.5807



12.9991, 24.6296, 84.6658



39.1317, 24.6296, 80.9396



38.2737, 24.6296, 4.0607

Rectangle

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



12.5889, 24.6296, 4.5807



9.6223, 24.6296, 33.0004



39.1317, 24.6296, 80.9396



46.4364, 24.6296, 21.4595

Sweetspot

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



12.5895, 24.6306, 4.5813



40.7125, 53.3062, 37.3286



25.6302, 30.1778, 4.9646



8.8036, 11.8378, 7.7980



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



12.5895, 24.6306, 4.5813



22.2583, 44.4359, 7.4039



13.9747, 25.1784, 12.1607



6.5630, 7.4074, 7.0695



9.8301, 19.6043, 3.2659



0.1791, 0.3523, 0.0586

Inverse Universe

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



19.8781, 9.8098, 33.1949



35.6204, 17.0683, 60.1606



16.2070, 8.4085, 10.8344



6.8904, 6.7475, 8.3459



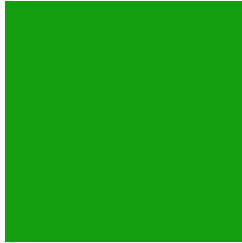
15.7238, 7.5349, 26.5329



0.2850, 0.1367, 0.4746

Previews

White Background



This preview shows how the XYZ color 12.5889, 24.6296, 4.5807 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



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 12.5889, 24.6296, 4.5807

Background



This preview shows how black text looks on a background with the XYZ color 12.5889, 24.6296, 4.5807.



This preview shows how white text looks on a background with the XYZ color 12.5889, 24.6296,

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

12.5889, 24.6296, 4.5807

Protanopia

21.6238, 24.0077, 3.5517

Deuteranopia

24.6307, 24.1180, 5.1073



Tritanopia

19.0756, 24.5996, 36.5437

Trichromacy



Original Color

12.5889, 24.6296, 4.5807



Protanomaly

15.5697, 22.6033, 3.7433



Deuteranomaly

16.5246, 22.1988, 4.5763



Tritanomaly

15.0358, 23.8729, 17.7254

Monochromacy



Original Color

12.5889, 24.6296, 4.5807



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.5101, 15.4440, 8.0573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5889, 24.6296, 4.5807 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(19, 158, 16)` looks like.

```
.text, #text, p{  
    color:rgb(19, 158, 16)  
}
```

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(19, 158, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 158, 16) }
```

Border

The CSS property to change the border of an element to XYZ 12.5889, 24.6296, 4.5807 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(19, 158, 16) }
```


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

```
.border{ border-color:rgb(19, 158, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 158, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 158, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 158, 16);  
box-shadow:4px 4px 4px 4px rgb(19, 158,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5889, 24.6296, 4.5807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 158, 16) }
```

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

```
.background{ background-color: rgb(19, 158,  
16) }
```

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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