

Converting Colors

XYZ(12.6395, 25.1799, 4.1940)

Have a look what the booklet for
XYZ(12.6395, 25.1799, 4.1940)
contains.

XYZ(12.6334, 25.1739, 4.1932)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.6334, 25.1739,
4.1932)**

Conversions

Conversions Part 1

Format	Color
Hex	05A000
RGB	5, 160, 0
RGB Percent	2%, 63%, 0%
CMY	0.9804, 0.3725, 0.9999
CMYK	0.97, 0.00, 1.00, 0.37
HSL	118°, 100%, 31%
HSV	118°, 100%, 63%
XYZ	12.6334, 25.1739, 4.1932
YIQ	95.4150, -41.0200, -82.6200

Conversions

Conversions Part 2

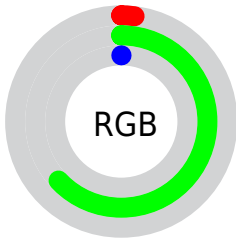
Format	Color
RYB	0, 160, 155
Decimal	368640
CIELab	57.24, -60.54, 58.74
CIELCh	57, 84.355, 135.862
Yxy	25.1739, 0.3008, 0.5994
Android (android.graphics.Color)	4278558720 (0xFF05A000)
YUV	95.4150, -47.0396, -79.2940
Hunter-Lab	50.1736, -42.8586, 30.1664

Details

The XYZ color **12.6334, 25.1739, 4.1932** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.8665, 9.5087, 34.0474**, and the grayscale version is **11.0946, 11.6724, 12.7112**.

A 20% lighter version of the original color is **30.2074, 51.8938, 14.3857**, and **5.2577, 10.5154, 1.7526** is the 20% darker color. If you saturate the color by 10%, you get **12.6337, 25.1748, 4.1934**, and if you desaturate by 10%, it is **12.9638, 25.3341, 4.6975**.

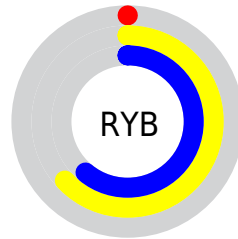
Distribution



Red (2%)

Green (63%)

Blue (0%)



Red (0%)

Yellow (63%)

Blue (61%)

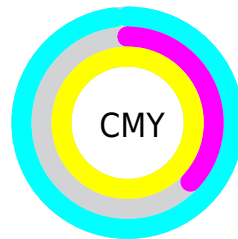


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (98%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6334, 25.1739, 4.1932 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 12.6334, 25.1739, 4.1932 by changing the saturation by 10% instead.

■ 12.6334, 25.1739,
4.1932

■ 12.6334, 25.1739,
4.1932

202.2401,
278.7029, 150.3492

■ 7.2518, 16.2067,
1.7319

■ 30.2505, 51.9392,
14.4529

■ 3.6678, 9.6705,
0.3825

■ 43.2168, 70.5061,
23.0885

■ 1.5160, 5.1810,
0.0000

■ 59.4421, 93.0416,
34.6192

■ 0.3367, 2.3539,
0.0000

■ 79.2916, 119.9301,
49.4636


■ 0.0000, 0.8020,
0.0000


■ 103.1308,
151.5562, 68.0403


■ 0.0000, 0.0000,
0.0000


■ 131.3251,


188.3040, 90.7677


 164.2397,
230.5581, 118.0645


 12.6334, 25.1739,
4.1932


 12.6334, 25.1739,
4.1932

 12.6337, 25.1748,
4.1934

 12.9638, 25.3341,
4.6975

 13.5599, 25.6221,
5.5984

 14.4959, 26.0732,
7.0665

 15.8123, 26.7065,
9.1742

 17.5439, 27.5388,
11.9832

■ 19.7214, 28.5847,
15.5481

■ 22.3729, 29.8576,
19.9178

■ 25.5239, 31.3697,
25.1374

■ 29.1983, 33.1325,
31.2484

Harmonies

Analogous

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



19.0585, 25.1739, 1.2519



12.6334, 25.1739, 4.1932



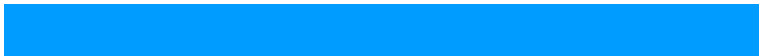
9.7313, 25.1739, 16.0633

Triad

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



12.6334, 25.1739, 4.1932



19.5414, 25.1739, 122.6257



47.5241, 25.1739, 14.9713

Complementary

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



12.6334, 25.1739, 4.1932



19.8665, 9.5087, 34.0474

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.



47.7604, 25.1739, 43.1351



12.6334, 25.1739, 4.1932



29.5612, 25.1739, 121.4682

Square

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



12.6334, 25.1739, 4.1932



12.9018, 25.1739, 88.7469



40.4994, 25.1739, 86.2143



39.9227, 25.1739, 3.8678

Rectangle

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



12.6334, 25.1739, 4.1932



9.4698, 25.1739, 33.4113



40.4994, 25.1739, 86.2143



48.5265, 25.1739, 22.1743

Sweetspot

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



12.6340, 25.1749, 4.1938



40.3137, 54.0631, 35.6557



26.1644, 30.8069, 4.5677



8.4062, 11.6479, 7.1016



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.



12.6340, 25.1749, 4.1938



22.9066, 45.6921, 7.6122



13.8304, 25.6463, 10.8198



6.5689, 7.4104, 7.0698



9.8482, 19.6136, 3.2668



0.1811, 0.3533, 0.0586

Inverse Universe

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



19.8665, 9.5087, 34.0474



36.0364, 17.2466, 61.8161



16.1512, 8.1355, 9.3846



6.8837, 6.7440, 8.3456



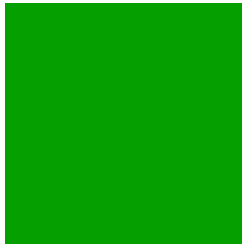
15.4820, 7.4103, 26.5216



0.2825, 0.1354, 0.4745

Previews

White Background



This preview shows how the XYZ color 12.6334, 25.1739, 4.1932 looks on a white background.

Color Contrast Check

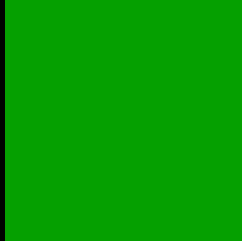
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6334, 25.1739, 4.1932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

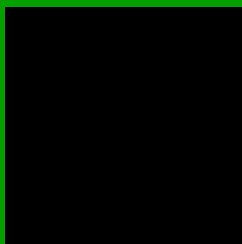
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6334, 25.1739, 4.1932

Background



This preview shows how black text looks on a background with the XYZ color 12.6334, 25.1739, 4.1932.



This preview shows how white text looks on a background with the XYZ color 12.6334, 25.1739,

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

12.6334, 25.1739, 4.1932

Protanopia

22.2721, 24.7613, 3.6056

Deuteranopia

25.2993, 24.8573, 5.0546



Tritanopia

19.4952, 25.2614, 37.5666

Trichromacy



Original Color

12.6334, 25.1739, 4.1932



Protanomaly

15.3809, 22.9601, 3.6211



Deuteranomaly

16.2252, 22.4872, 4.2444



Tritanomaly

14.8282, 24.2772, 16.4748

Monochromacy



Original Color

12.6334, 25.1739, 4.1932



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.3990, 14.5440, 6.5869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6334, 25.1739, 4.1932 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(5, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 160, 0)  
}
```

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(5, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 160, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6334, 25.1739, 4.1932 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(5, 160, 0) }
```


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

```
.border{ border-color:rgb(5, 160, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 160, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 160, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 160, 0); box-shadow:4px  
4px 4px 4px rgb(5, 160, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6334, 25.1739, 4.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 160, 0) }
```

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

```
.background{ background-color: rgb(5, 160,  
0) }
```

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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