

Converting Colors

XYZ(25.2993, 46.1563, 12.1581)

Have a look what the booklet for
XYZ(25.2993, 46.1563, 12.1581)
contains.

XYZ(25.2322, 46.0302, 12.1123)	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(25.2322, 46.0302,
12.1123)**

Conversions

Conversions Part 1

Format	Color
Hex	3FCF3E
RGB	63, 207, 62
RGB Percent	25%, 81%, 24%
CMY	0.7529, 0.1882, 0.7568
CMYK	0.70, 0.00, 0.70, 0.19
HSL	120°, 60%, 53%
HSV	120°, 70%, 81%
XYZ	25.2322, 46.0302, 12.1123
YIQ	147.4140, -39.2790, -75.6230

Conversions

Conversions Part 2

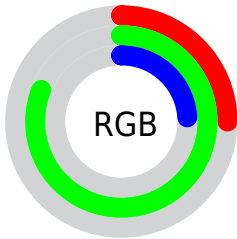
Format	Color
RYB	62, 207, 206
Decimal	4181822
CIELab	73.57, -64.71, 58.24
CIELCh	74, 87.055, 138.014
Yxy	46.0302, 0.3026, 0.5521
Android (android.graphics.Color)	4282371902 (0xFF3FCF3E)
YUV	147.4140, -42.1091, -74.0311
Hunter-Lab	67.8456, -52.3444, 36.9070

Details

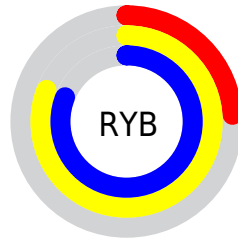
The XYZ color **25.2322, 46.0302, 12.1123** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **38.4420, 21.0741, 61.0755**, and the grayscale version is **28.0866, 29.5493, 32.1792**.

A 20% lighter version of the original color is **48.0241, 77.4715, 29.2520**, and **11.0666, 22.1332, 3.6889** is the 20% darker color. If you saturate the color by 10%, you get **23.6923, 45.2913, 9.6192**, and if you desaturate by 10%, it is **27.4805, 47.1120, 15.7693**.

Distribution



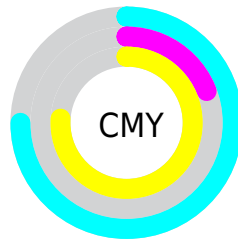
- Red (25%)
- Green (81%)
- Blue (24%)



- Red (24%)
- Yellow (81%)
- Blue (81%)



- Cyan (70%)
- Magenta (0%)
- Yellow (70%)
- Black (19%)





- Cyan (75%)
- Magenta (19%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2322, 46.0302, 12.1123 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 25.2322, 46.0302, 12.1123 by changing the saturation by 10% instead.


 25.2322, 46.0302,
12.1123


 25.2322, 46.0302,
12.1123


271.3187,
370.9301, 216.1516


 16.3798, 32.2697,
6.6967


 51.4739, 84.2642,
30.3669

 9.8858, 21.5675,
3.1976


 69.5938, 109.5064,
44.0431

 5.3850, 13.5395,
1.1964


 91.5337, 139.3447,
61.3098

 2.5120, 7.8011,
0.0000

 117.6587,
174.1634, 82.5857

 0.9013, 3.9679,
0.0000

 148.3344,
214.3468, 108.2893

 0.0000, 1.6556,
0.0000

183.9261,

 0.0000, 0.3947,

260.2795, 138.8391

0.0000

224.7991,
312.3458, 174.6537

■ 0.0000, 0.0000,
0.0000

■ 25.2322, 46.0302,
12.1123

■ 25.2322, 46.0302,
12.1123

■ 23.6923, 45.2913,
9.6192

■ 27.4805, 47.1120,
15.7693

■ 22.7738, 44.8494,
8.1469


■ 30.5048, 48.5650,
20.7053


■ 22.3315, 44.6367,
7.4387


■ 34.3687, 50.4210,
27.0249


■ 39.1279, 52.7068,
34.8212

■ 44.8338, 55.4471,
44.1792

 51.5336, 58.6645,
55.1774

 59.2716, 62.3802,
67.8891

 68.0890, 66.6141,
82.3831

 78.0253, 71.3851,
98.7245

Harmonies

Analogous

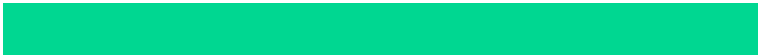
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.2209, 46.0302, 5.0032



25.2322, 46.0302, 12.1123



20.7154, 46.0302, 34.4967

Triad

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



25.2322, 46.0302, 12.1123



37.8873, 46.0302, 187.1625



78.3634, 46.0302, 28.2104

Complementary

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



25.2322, 46.0302, 12.1123



38.4420, 21.0741, 61.0755

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.



79.5575, 46.0302, 69.8631



25.2322, 46.0302, 12.1123



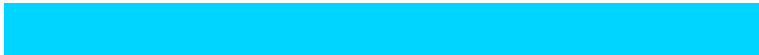
53.5563, 46.0302, 181.6641

Square

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



25.2322, 46.0302, 12.1123



26.7880, 46.0302, 143.2132



69.6433, 46.0302, 130.8921



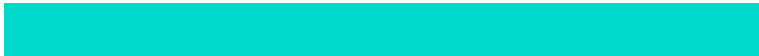
66.6857, 46.0302, 9.8277

Rectangle

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



25.2322, 46.0302, 12.1123



20.4998, 46.0302, 62.8895



69.6433, 46.0302, 130.8921



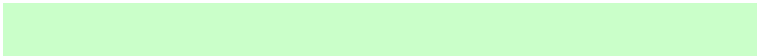
80.0894, 46.0302, 39.2062

Sweetspot

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



25.2333, 46.0321, 12.1133



70.6634, 88.2894, 68.8535



48.3355, 57.0792, 13.0280



14.5556, 18.6242, 13.8037



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



25.2333, 46.0321, 12.1133



37.1227, 72.1766, 14.0545



28.4716, 47.3202, 29.4944



11.6637, 13.2101, 12.5471



14.0725, 28.1236, 4.6867



0.7895, 1.5739, 0.2622

Inverse Universe

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



38.4420, 21.0741, 61.0755



59.5375, 29.7744, 97.2168



31.9658, 18.5156, 25.5264



12.3025, 12.0048, 14.9124



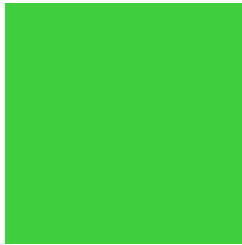
23.0630, 11.0697, 38.1136



1.2922, 0.6203, 2.1312

Previews

White Background



This preview shows how the XYZ color 25.2322, 46.0302, 12.1123 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.2322, 46.0302, 12.1123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

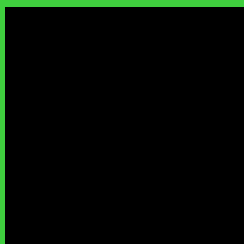
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.2322, 46.0302, 12.1123

Background



This preview shows how black text looks on a background with the XYZ color 25.2322, 46.0302, 12.1123.



This preview shows how white text looks on a background with the XYZ color 25.2322, 46.0302,

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

25.2322, 46.0302, 12.1123

Protanopia

41.0982, 45.3359, 10.1990

Deuteranopia

45.7689, 44.7870, 12.8891



Tritanopia

36.0581, 45.5682, 67.2167

Trichromacy



Original Color

25.2322, 46.0302, 12.1123



Protanomaly

31.9397, 43.7117, 10.7568



Deuteranomaly

33.3488, 42.2017, 12.1824



Tritanomaly

30.2193, 44.8632, 38.5192

Monochromacy



Original Color

25.2322, 46.0302, 12.1123



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.5428, 33.3499, 21.6666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2322, 46.0302, 12.1123 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(63, 207, 62)` looks like.

```
.text, #text, p{  
    color:rgb(63, 207, 62)  
}
```

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(63, 207, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 207, 62) }
```

Border

The CSS property to change the border of an element to XYZ 25.2322, 46.0302, 12.1123 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(63, 207, 62) }
```


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

```
.border{ border-color:rgb(63, 207, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 207, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 207, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 207, 62);  
box-shadow:4px 4px 4px 4px rgb(63, 207,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2322, 46.0302, 12.1123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 207, 62) }
```

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

```
.background{ background-color: rgb(63, 207,  
62) }
```

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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