

Converting Colors

XYZ(25.0148, 45.5999, 12.7639)

Have a look what the booklet for
XYZ(25.0148, 45.5999, 12.7639)
contains.

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Color

**XYZ(25.0089, 45.5400,
12.7822)**

Conversions

Conversions Part 1

Format	Color
Hex	3DCE43
RGB	61, 206, 67
RGB Percent	24%, 81%, 26%
CMY	0.7608, 0.1921, 0.7372
CMYK	0.70, 0.00, 0.67, 0.19
HSL	122°, 60%, 52%
HSV	122°, 70%, 81%
XYZ	25.0089, 45.5400, 12.7822
YIQ	146.7990, -41.8010, -73.9690

Conversions

Conversions Part 2

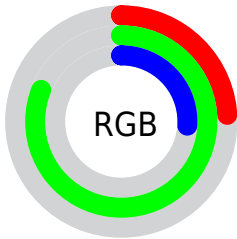
Format	Color
RYB	61, 200, 206
Decimal	4050499
CIELab	73.25, -64.28, 55.94
CIELCh	73, 85.218, 138.968
Yxy	45.5400, 0.3001, 0.5465
Android (android.graphics.Color)	4282240579 (0xFF3DCE43)
YUV	146.7990, -39.3409, -75.2457
Hunter-Lab	67.4833, -51.9448, 36.0081

Details

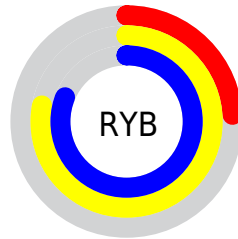
The XYZ color **25.0089, 45.5400, 12.7822** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **37.5487, 20.6300, 56.6462**, and the grayscale version is **27.8209, 29.2697, 31.8747**.

A 20% lighter version of the original color is **48.1133, 77.4897, 30.5103**, and **10.9063, 21.8127, 3.6354** is the 20% darker color. If you saturate the color by 10%, you get **23.4812, 44.8110, 10.1284**, and if you desaturate by 10%, it is **27.2275, 46.6045, 16.5243**.

Distribution



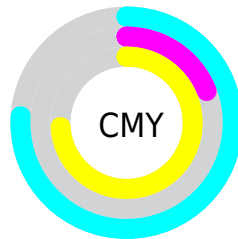
- Red (24%)
- Green (81%)
- Blue (26%)



- Red (24%)
- Yellow (78%)
- Blue (81%)



- Cyan (70%)
- Magenta (0%)
- Yellow (67%)
- Black (19%)





- Cyan (76%)
- Magenta (19%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0089, 45.5400, 12.7822 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 25.0089, 45.5400, 12.7822 by changing the saturation by 10% instead.


 25.0089, 45.5400,
12.7822


 25.0089, 45.5400,
12.7822


270.2291,
368.9562, 220.6756


 16.2125, 31.8830,
7.1498


 51.1145, 83.5301,
31.5974


 9.7664, 21.2721,
3.4761


 69.1543, 108.6321,
45.6172


 5.3054, 13.3231,
1.3426


 91.0059, 138.3177,
63.2699

 2.4642, 7.6514,
0.0963

 117.0347,
172.9715, 84.9740

 0.8772, 3.8727,
0.0000

 147.6061,
212.9779, 111.1481

 0.0000, 1.6026,
0.0000

183.0854,

 0.0000, 0.3594,

258.7212, 142.2108

0.0000

223.8379,
310.5858, 178.5804

■ 0.0000, 0.0000,
0.0000

■ 25.0089, 45.5400,
12.7822

■ 25.0089, 45.5400,
12.7822

■ 23.4812, 44.8110,
10.1284

■ 27.2275, 46.6045,
16.5243

■ 22.5605, 44.3726,
8.4438

■ 30.2021, 48.0321,
21.4515

■ 22.1190, 44.1632,
7.6035

■ 33.9941, 49.8535,
27.6533

■ 38.6575, 52.0952,
35.2096

■ 44.2418, 54.7809,
44.1941

■ 50.7927, 57.9329,
54.6750

■ 58.3531, 61.5717,
66.7162

■ 66.9630, 65.7168,
80.3776

■ 76.6604, 70.3866,
95.7165

Harmonies

Analogous

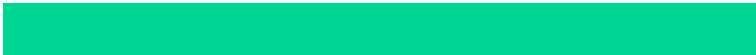
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.5911, 45.5400, 5.3563



25.0089, 45.5400, 12.7822



20.7440, 45.5400, 35.4327

Triad

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



25.0089, 45.5400, 12.7822



38.0100, 45.5400, 182.3676



76.5858, 45.5400, 27.3379

Complementary

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



25.0089, 45.5400, 12.7822



37.5487, 20.6300, 56.6462

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.



78.1033, 45.5400, 67.0791



25.0089, 45.5400, 12.7822



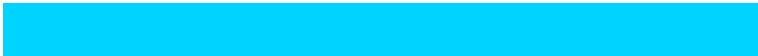
53.3243, 45.5400, 175.4254

Square

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



25.0089, 45.5400, 12.7822



27.0133, 45.5400, 141.3106



68.8124, 45.5400, 125.7144



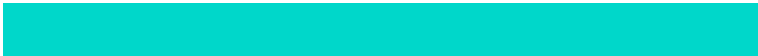
65.0481, 45.5400, 9.7865

Rectangle

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



25.0089, 45.5400, 12.7822



20.6340, 45.5400, 63.5690



68.8124, 45.5400, 125.7144



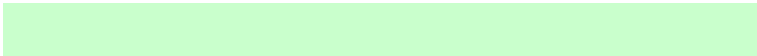
78.3701, 45.5400, 37.8192

Sweetspot

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



25.0100, 45.5419, 12.7832



70.8278, 88.3437, 70.2368



47.0478, 56.9225, 12.9224



14.5937, 18.6368, 14.1239



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.



25.0100, 45.5419, 12.7832



37.2351, 72.2148, 14.9567



28.6085, 46.9813, 31.7328



11.0866, 12.5444, 12.0132



13.6284, 27.1967, 4.7283



0.7098, 1.4057, 0.2794

Inverse Universe

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



37.5487, 20.6300, 56.6462



58.6806, 29.4939, 89.8938



31.0639, 18.0361, 22.4976



11.6667, 11.3954, 14.0455



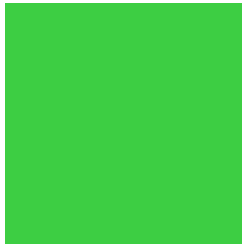
21.9217, 10.5793, 33.6359



1.1373, 0.5483, 1.7688

Previews

White Background



This preview shows how the XYZ color 25.0089, 45.5400, 12.7822 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 25.0089, 45.5400, 12.7822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

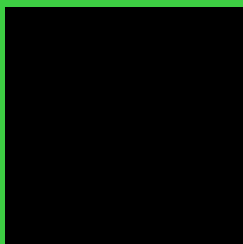
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.0089, 45.5400, 12.7822

Background



This preview shows how black text looks on a background with the XYZ color 25.0089, 45.5400, 12.7822.



This preview shows how white text looks on a background with the XYZ color 25.0089, 45.5400,

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

25.0089, 45.5400, 12.7822

Protanopia

40.4889, 44.7086, 10.7706

Deuteranopia

45.6048, 44.6861, 13.6188



Tritanopia

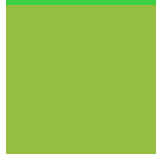
35.8220, 45.4607, 66.5613

Trichromacy



Original Color

25.0089, 45.5400, 12.7822



Protanomaly

31.4892, 43.1436, 11.3705



Deuteranomaly

33.3077, 42.1615, 13.0391



Tritanomaly

30.1176, 44.8009, 38.9584

Monochromacy



Original Color

25.0089, 45.5400, 12.7822



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.4751, 33.0263, 22.2243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0089, 45.5400, 12.7822 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(61, 206, 67)` looks like.

```
.text, #text, p{  
    color:rgb(61, 206, 67)  
}
```

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(61, 206, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 206, 67) }
```

Border

The CSS property to change the border of an element to XYZ 25.0089, 45.5400, 12.7822 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(61, 206, 67) }
```


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

```
.border{ border-color:rgb(61, 206, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 206, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 206, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 206, 67);  
box-shadow:4px 4px 4px 4px rgb(61, 206,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0089, 45.5400, 12.7822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 206, 67) }
```

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

```
.background{ background-color: rgb(61, 206,  
67) }
```

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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