

Converting Colors

XYZ(25.2209, 44.4105, 12.4211)

Have a look what the booklet for
XYZ(25.2209, 44.4105, 12.4211)
contains.

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Color

**XYZ(25.0844, 44.1709,
12.3580)**

Conversions

Conversions Part 1

Format	Color
Hex	4CCA42
RGB	76, 202, 66
RGB Percent	30%, 79%, 26%
CMY	0.7020, 0.2078, 0.7412
CMYK	0.62, 0.00, 0.67, 0.21
HSL	116°, 56%, 53%
HSV	116°, 67%, 79%
XYZ	25.0844, 44.1709, 12.3580
YIQ	148.8220, -31.4400, -69.0080

Conversions

Conversions Part 2

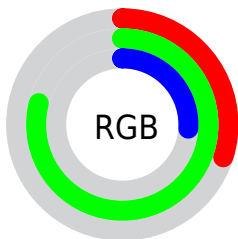
Format	Color
RYB	66, 202, 192
Decimal	5032514
CIELab	72.34, -60.07, 55.48
CIElCh	72, 81.770, 137.273
Yxy	44.1709, 0.3074, 0.5412
Android (android.graphics.Color)	4283222594 (0xFF4CCA42)
YUV	148.8220, -40.8312, -63.8649
Hunter-Lab	66.4612, -48.9360, 35.4983

Details

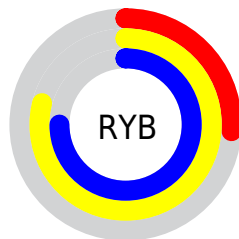
The XYZ color **25.0844, 44.1709, 12.3580** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **34.3497, 19.3688, 57.8076**, and the grayscale version is **28.6689, 30.1620, 32.8464**.

A 20% lighter version of the original color is **49.6314, 78.2793, 30.2629**, and **10.4337, 20.8674, 3.4779** is the 20% darker color. If you saturate the color by 10%, you get **23.3143, 43.3168, 9.6967**, and if you desaturate by 10%, it is **27.4993, 45.3357, 16.1487**.

Distribution



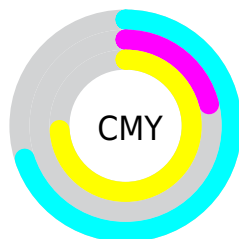
- Red (30%)
- Green (79%)
- Blue (26%)



- Red (26%)
- Yellow (79%)
- Blue (75%)



- Cyan (62%)
- Magenta (0%)
- Yellow (67%)
- Black (21%)





- Cyan (70%)
- Magenta (21%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0844, 44.1709, 12.3580 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 25.0844, 44.1709, 12.3580 by changing the saturation by 10% instead.


 25.0844, 44.1709,
12.3580


 25.0844, 44.1709,
12.3580


270.5979,
363.4052, 217.8225


 16.2690, 30.8049,
6.8625


 51.2360, 81.4748,
30.8196

 9.8068, 20.4503,
3.2991


 69.3030, 106.1816,
44.6227


 5.3323, 12.7228,
1.2493


 91.1845, 135.4373,
62.0321

 2.4803, 7.2379,
0.0197

 117.2459,
169.6265, 83.4664

 0.8853, 3.6114,
0.0000

 147.8526,
209.1335, 109.3440

 0.0000, 1.4586,
0.0000

183.3699,

 0.0000, 0.2593,

254.3426, 140.0835

0.0000

224.1632,
305.6384, 176.1035

■ 0.0000, 0.0000,
0.0000

■ 25.0844, 44.1709,
12.3580

■ 25.0844, 44.1709,
12.3580

■ 23.3143, 43.3168,
9.6967

■ 27.4993, 45.3357,
16.1487

■ 22.1240, 42.7386,
8.0375

■ 30.6098, 46.8313,
21.1724

■ 21.4365, 42.4019,
7.2097

■ 34.4653, 48.6823,
27.5242

■ 21.3159, 42.3431,
7.0496

■ 39.1097, 50.9095,
35.2892

■ 44.5837, 53.5322,
44.5452

■ 50.9248, 56.5683,
55.3645

■ 58.1686, 60.0346,
67.8147

■ 66.3486, 63.9469,
81.9594

■ 75.4964, 68.3203,
97.8587

Harmonies

Analogous

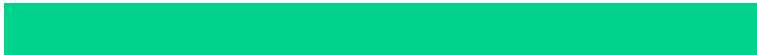
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.4536, 44.1709, 5.5675



25.0844, 44.1709, 12.3580



20.7416, 44.1709, 32.9688

Triad

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



25.0844, 44.1709, 12.3580



36.3021, 44.1709, 170.1211



73.4674, 44.1709, 28.5666

Complementary

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



25.0844, 44.1709, 12.3580



34.3497, 19.3688, 57.8076

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.



74.2766, 44.1709, 67.2569



25.0844, 44.1709, 12.3580



50.5368, 44.1709, 166.4559

Square

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



25.0844, 44.1709, 12.3580



26.1760, 44.1709, 130.3845



65.1500, 44.1709, 122.1185



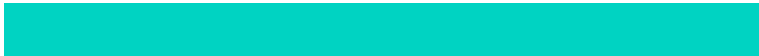
63.1377, 44.1709, 10.6839

Rectangle

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



25.0844, 44.1709, 12.3580



20.4635, 44.1709, 58.5822



65.1500, 44.1709, 122.1185



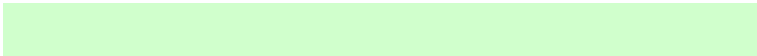
74.9323, 44.1709, 38.9399

Sweetspot

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



25.0855, 44.1728, 12.3590



72.6009, 89.2531, 70.5278



43.9007, 50.0685, 12.5053



14.9690, 18.8305, 14.1305



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.



25.0855, 44.1728, 12.3590



38.3933, 72.8148, 14.8764



26.9230, 44.8231, 25.8637



11.1432, 12.5757, 11.9195



13.7450, 27.2611, 4.5375



0.7363, 1.4204, 0.2354

Inverse Universe

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



34.3497, 19.3688, 57.8076



54.9989, 27.8644, 97.0873



31.4435, 18.5088, 28.8399



11.6030, 11.3602, 14.1516



20.1042, 9.5716, 36.7442



1.0620, 0.5066, 1.8968

Previews

White Background



This preview shows how the XYZ color 25.0844, 44.1709, 12.3580 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 25.0844, 44.1709, 12.3580 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 25.0844, 44.1709, 12.3580

Background



This preview shows how black text looks on a background with the XYZ color 25.0844, 44.1709, 12.3580.



This preview shows how white text looks on a background with the XYZ color 25.0844, 44.1709,

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

25.0844, 44.1709, 12.3580

Protanopia

39.3407, 43.2368, 10.4097

Deuteranopia

44.0717, 43.0787, 13.0134



Tritanopia

35.2810, 43.9430, 63.7491

Trichromacy



Original Color

25.0844, 44.1709, 12.3580



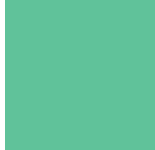
Protanomaly

31.3553, 41.8180, 10.9765



Deuteranomaly

33.2497, 41.2305, 12.5092



Tritanomaly

29.9484, 43.4035, 37.3711

Monochromacy



Original Color

25.0844, 44.1709, 12.3580



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.3584, 33.4747, 22.5775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0844, 44.1709, 12.3580 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(76, 202, 66)` looks like.

```
.text, #text, p{  
    color:rgb(76, 202, 66)  
}
```

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(76, 202, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 202, 66) }
```

Border

The CSS property to change the border of an element to XYZ 25.0844, 44.1709, 12.3580 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(76, 202, 66) }
```


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

```
.border{ border-color:rgb(76, 202, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 202, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 202, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 202, 66);  
box-shadow:4px 4px 4px 4px rgb(76, 202,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0844, 44.1709, 12.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 202, 66) }
```

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

```
.background{ background-color: rgb(76, 202,  
66) }
```

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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