

# Converting Colors

XYZ(25.1888, 45.0395, 7.3659)

Have a look what the booklet for  
XYZ(25.1888, 45.0395, 7.3659)  
contains.

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# Color

**XYZ(25.1601, 45.0247,  
7.3646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53CC00
RGB	83, 204, 0
RGB Percent	33%, 80%, 0%
CMY	0.6745, 0.2000, 0.9999
CMYK	0.59, 0.00, 1.00, 0.20
HSL	96°, 100%, 40%
HSV	96°, 100%, 80%
XYZ	25.1601, 45.0247, 7.3646
YIQ	144.5650, -6.6320, -89.0960

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 204, 121
Decimal	5491712
CIELab	72.91, -62.18, 71.80
CIELCh	73, 94.986, 130.894
Yxy	45.0247, 0.3244, 0.5806
Android (android.graphics.Color)	4283681792 (0xFF53CC00)
YUV	144.5650, -71.2705, -53.9925
Hunter-Lab	67.1004, -50.4951, 40.4629

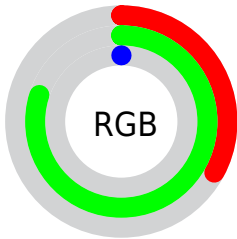
# Details

The XYZ color **25.1601, 45.0247, 7.3646** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **18.7892, 8.4275, 57.7656**, and the grayscale version is **27.0210, 28.4282, 30.9583**.

A 20% lighter version of the original color is **49.1371, 78.2402, 20.4947**, and **10.7474, 21.4949, 3.5825** is the 20% darker color. If you saturate the color by 10%, you get **25.1597, 45.0259, 7.3648**, and if you desaturate by 10%, it is **26.4537, 45.6779, 8.1043**.

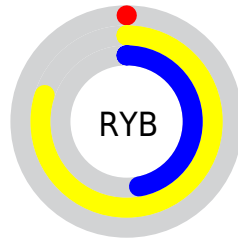
# Distribution



Red (33%)

Green (80%)

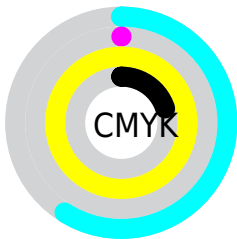
Blue (0%)



Red (0%)

Yellow (80%)

Blue (47%)

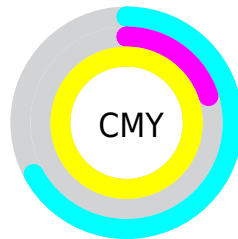


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (67%)

Magenta (20%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1601, 45.0247, 7.3646 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 25.1601, 45.0247, 7.3646 by changing the saturation by 10% instead.





 25.1601, 45.0247,  
7.3646


 25.1601, 45.0247,  
7.3646


270.9673,  
366.8736, 180.4041


 16.3257, 31.4769,  
3.6093


 51.3579, 82.7575,  
21.2283

 9.8473, 20.9623,  
1.4135


 69.4520, 107.7112,  
32.1736

 5.3593, 13.0964,  
0.1522


 91.3634, 137.2357,  
46.3528

 2.4965, 7.4950,  
0.0000

 117.4574,  
171.7154, 64.1843

 0.8935, 3.7735,  
0.0000

 148.0995,  
211.5346, 86.0866

 0.0000, 1.5477,  
0.0000

 183.6549,

 0.0000, 0.3220,

257.0778, 112.4783

0.0000

224.4891,  
308.7293, 143.7779

■ 0.0000, 0.0000,  
0.0000

■ 25.1601, 45.0247,  
7.3646

■ 25.1601, 45.0247,  
7.3646

■ 25.1597, 45.0259,  
7.3648

■ 26.4537, 45.6779,  
8.1043

■ 28.0789, 46.4849,  
9.5745

■ 30.0919, 47.4705,  
12.0236

■ 32.5259, 48.6490,  
15.5843

■ 35.4094, 50.0326,  
20.3684

■ 38.7683, 51.6325,  
26.4743

■ 42.6261, 53.4589,  
33.9902

■ 47.0044, 55.5212,  
42.9969

■ 51.9238, 57.8283,  
53.5689

# Harmonies

## Analogous

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



37.0581, 45.0247, 2.9422



25.1601, 45.0247, 7.3646



19.2188, 45.0247, 24.8356

# Triad

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



25.1601, 45.0247, 7.3646



33.2011, 45.0247, 195.3981



82.2648, 45.0247, 33.7393

# Complementary

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



25.1601, 45.0247, 7.3646



18.7892, 8.4275, 57.7656

# 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.



80.4547, 45.0247, 85.3133



25.1601, 45.0247, 7.3646



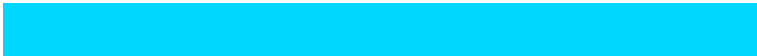
49.0946, 45.0247, 204.0134

# Square

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



25.1601, 45.0247, 7.3646



22.9657, 45.0247, 136.1600



67.1897, 45.0247, 155.2209



71.6373, 45.0247, 10.2925

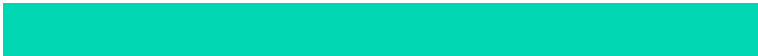


# Rectangle

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



25.1601, 45.0247, 7.3646



18.2112, 45.0247, 50.4596



67.1897, 45.0247, 155.2209



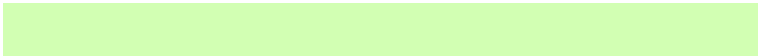
83.1485, 45.0247, 47.6164

# Sweetspot

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



25.1611, 45.0266, 7.3656



70.3160, 88.4002, 55.7401



31.5014, 26.0347, 3.3656



14.4475, 18.6362, 10.7387



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.



25.1611, 45.0266, 7.3656



41.4374, 74.4468, 12.1857



21.6955, 43.2283, 7.7317



11.4929, 12.7560, 11.9358



15.9347, 28.3899, 4.6400



0.9074, 1.5086, 0.2434



# Inverse Universe

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



18.7892, 8.4275, 57.7656



30.8630, 13.8253, 95.6496



33.8734, 16.4266, 48.4022



11.2290, 11.1674, 14.1341



11.9323, 5.3589, 36.3617

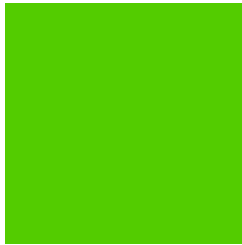


0.7002, 0.3201, 1.8798



# Previews

## White Background



This preview shows how the XYZ color 25.1601, 45.0247, 7.3646 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 25.1601, 45.0247, 7.3646 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 25.1601, 45.0247, 7.3646**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.1601, 45.0247, 7.3646.



This preview shows how white text looks on a background with the XYZ color 25.1601, 45.0247,



# 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

25.1601, 45.0247, 7.3646

### Protanopia

39.7398, 44.1201, 6.4215

### Deuteranopia

44.8701, 43.8677, 8.3879



## Tritanopia

36.6354, 44.9477, 64.5025

# Trichromacy



## Original Color

25.1601, 45.0247, 7.3646



## Protanomaly

31.6750, 42.7087, 6.5742



## Deuteranomaly

33.7350, 41.8975, 7.3459



## Tritanomaly

29.2533, 43.5850, 27.9900

# Monochromacy



## Original Color

25.1601, 45.0247, 7.3646



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

23.5940, 32.1827, 15.0936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.1601, 45.0247, 7.3646 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(83, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 204, 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(83, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 204, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 25.1601, 45.0247, 7.3646 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(83, 204, 0) }
```



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

```
.border{ border-color:rgb(83, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(83, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 204, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 25.1601, 45.0247, 7.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 204, 0) }
```

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

```
.background{ background-color: rgb(83, 204,  
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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