

Converting Colors

XYZ(23.6844, 45.9938, 12.1338)

Have a look what the booklet for
XYZ(23.6844, 45.9938, 12.1338)
contains.

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Color

**XYZ(23.6700, 45.9487,
12.1789)**

Conversions

Conversions Part 1

Format	Color
Hex	00D13E
RGB	0, 209, 62
RGB Percent	0%, 82%, 24%
CMY	1.0000, 0.1804, 0.7568
CMYK	1.00, 0.00, 0.70, 0.18
HSL	138°, 100%, 41%
HSV	138°, 100%, 82%
XYZ	23.6700, 45.9487, 12.1789
YIQ	129.7510, -77.3770, -90.0250

Conversions

Conversions Part 2

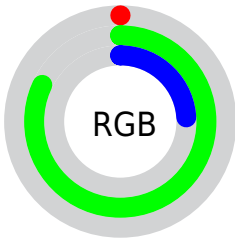
Format	Color
RYB	0, 161, 209
Decimal	53566
CIELab	73.51, -71.25, 57.97
CIELCh	74, 91.856, 140.870
Yxy	45.9487, 0.2894, 0.5617
Android (android.graphics.Color)	4278243646 (0xFF00D13E)
YUV	129.7510, -33.4012, -113.7916
Hunter-Lab	67.7855, -56.2942, 36.7973

Details

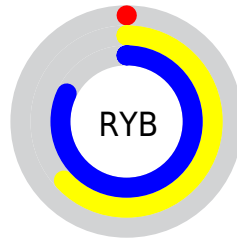
The XYZ color **23.6700, 45.9487, 12.1789** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **31.5626, 15.6628, 28.9663**, and the grayscale version is **21.2657, 22.3731, 24.3644**.

A 20% lighter version of the original color is **44.7966, 75.8076, 29.1009**, and **11.3912, 22.7825, 3.7971** is the 20% darker color. If you saturate the color by 10%, you get **23.6708, 45.9505, 12.1791**, and if you desaturate by 10%, it is **24.4379, 46.2928, 14.6142**.

Distribution



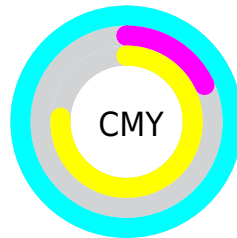
- Red (0%)
- Green (82%)
- Blue (24%)



- Red (0%)
- Yellow (63%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (18%)



- Cyan (100%)
- Magenta (18%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6700, 45.9487, 12.1789 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 23.6700, 45.9487, 12.1789 by changing the saturation by 10% instead.

■ 23.6700, 45.9487,
12.1789

■ 23.6700, 45.9487,
12.1789

263.6194,
370.6024, 216.6059

■ 15.2124, 32.2053,
6.7416

■ 48.9498, 84.1422,
30.4898

■ 9.0559, 21.5184,
3.2251

■ 66.5026, 109.3612,
44.2004

■ 4.8351, 13.5035,
1.2107

■ 87.8180, 139.1741,
61.5060

■ 2.1846, 7.7761,
0.0000

■ 113.2612,
173.9654, 82.8250

■ 0.7346, 3.9520,
0.0000

■ 143.1976,
214.1195, 108.5759

■ 0.0000, 1.6468,
0.0000

177.9925,

■ 0.0000, 0.3888,

260.0208, 139.1773

0.0000

218.0113,
312.0536, 175.0478

■ 0.0000, 0.0000,
0.0000

■ 23.6700, 45.9487,
12.1789

■ 23.6700, 45.9487,
12.1789

■ 23.6708, 45.9505,
12.1791

■ 24.4379, 46.2928,
14.6142

■ 25.6543, 46.8533,
17.6811

■ 27.4398, 47.6927,
21.4241

■ 29.8620, 48.8453,
25.8814

■ 32.9787, 50.3400,
31.0879

■ 36.8407, 52.2023,
37.0764

■ 41.4940, 54.4555,
43.8776

■ 46.9808, 57.1206,
51.5206

■ 53.3403, 60.2172,
60.0329

Harmonies

Analogous

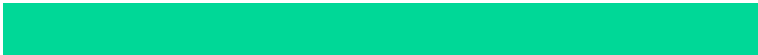
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4764, 45.9487, 4.3751



23.6700, 45.9487, 12.1789



19.5478, 45.9487, 37.1526

Triad

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



23.6700, 45.9487, 12.1789



38.9083, 45.9487, 200.2132



79.7826, 45.9487, 24.4765

Complementary

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



23.6700, 45.9487, 12.1789



31.5626, 15.6628, 28.9663

Split Complementary

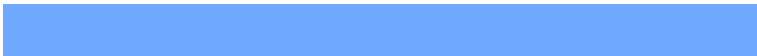
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2760, 45.9487, 65.5851



23.6700, 45.9487, 12.1789



55.7543, 45.9487, 188.5270

Square

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



23.6700, 45.9487, 12.1789



26.7976, 45.9487, 156.2445



72.6128, 45.9487, 130.2315



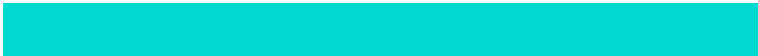
66.4630, 45.9487, 7.8040

Rectangle

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



23.6700, 45.9487, 12.1789



19.6442, 45.9487, 68.8390



72.6128, 45.9487, 130.2315



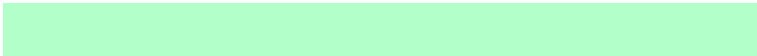
82.0253, 45.9487, 35.0036

Sweetspot

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



23.6711, 45.9506, 12.1799



64.8004, 85.2704, 68.4210



35.3401, 52.0667, 8.1875



13.1745, 17.9143, 13.6414



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.



23.6711, 45.9506, 12.1799



37.0521, 72.0369, 18.7244



29.4771, 48.2730, 42.7542



11.7985, 13.2632, 13.2955



14.6322, 28.3458, 7.7092



0.8530, 1.5989, 0.6148

Inverse Universe

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



31.5626, 15.6628, 28.9663



49.4128, 24.5291, 44.9673



26.7749, 13.7477, 3.7545



12.1551, 11.9468, 14.0928



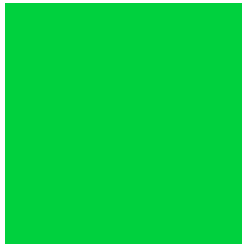
19.5048, 9.6747, 18.0961



1.1245, 0.5545, 1.1906

Previews

White Background



This preview shows how the XYZ color 23.6700, 45.9487, 12.1789 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 23.6700, 45.9487, 12.1789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

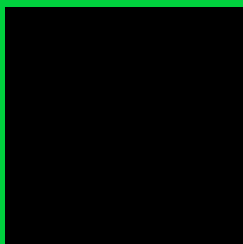
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6700, 45.9487, 12.1789

Background



This preview shows how black text looks on a background with the XYZ color 23.6700, 45.9487, 12.1789.



This preview shows how white text looks on a background with the XYZ color 23.6700, 45.9487,

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

23.6700, 45.9487, 12.1789

Protanopia

40.8733, 44.9240, 10.0070

Deuteranopia

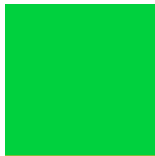
45.8034, 44.8008, 13.0708



Tritanopia

35.0193, 45.6647, 68.5965

Trichromacy



Original Color

23.6700, 45.9487, 12.1789



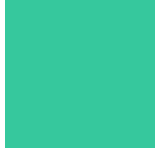
Protanomaly

28.0541, 41.7115, 10.4434



Deuteranomaly

29.2623, 40.3986, 12.2167



Tritanomaly

28.2614, 44.5271, 39.0034

Monochromacy



Original Color

23.6700, 45.9487, 12.1789



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.5152, 27.6552, 17.7267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6700, 45.9487, 12.1789 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(0, 209, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 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(0, 209, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 62) }
```

Border

The CSS property to change the border of an element to XYZ 23.6700, 45.9487, 12.1789 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(0, 209, 62) }
```


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

```
.border{ border-color:rgb(0, 209, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 62);  
box-shadow:4px 4px 4px 4px rgb(0, 209, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.6700, 45.9487, 12.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 62) }
```

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

```
.background{ background-color: rgb(0, 209,  
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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