

Converting Colors

XYZ(23.2968, 45.8387, 10.0928)

Have a look what the booklet for
XYZ(23.2968, 45.8387, 10.0928)
contains.

XYZ(23.2741, 45.7904, 10.0944)	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(23.2741, 45.7904,
10.0944)**

Conversions

Conversions Part 1

Format	Color
Hex	00D12D
RGB	0, 209, 45
RGB Percent	0%, 82%, 18%
CMY	1.0000, 0.1804, 0.8235
CMYK	1.00, 0.00, 0.78, 0.18
HSL	133°, 100%, 41%
HSV	133°, 100%, 82%
XYZ	23.2741, 45.7904, 10.0944
YIQ	127.8130, -71.9200, -95.3120

Conversions

Conversions Part 2

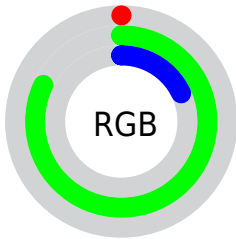
Format	Color
RYB	0, 172, 209
Decimal	53549
CIELab	73.41, -72.57, 63.64
CIELCh	73, 96.522, 138.755
Yxy	45.7904, 0.2940, 0.5785
Android (android.graphics.Color)	4278243629 (0xFF00D12D)
YUV	127.8130, -40.8268, -112.0920
Hunter-Lab	67.6686, -57.0263, 38.5235

Details

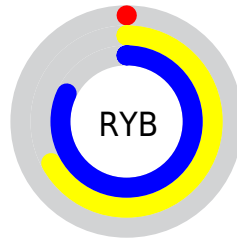
The XYZ color **23.2741, 45.7904, 10.0944** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **32.9961, 16.2361, 36.5151**, and the grayscale version is **20.6089, 21.6821, 23.6118**.

A 20% lighter version of the original color is **44.1520, 75.5634, 25.0901**, and **11.3912, 22.7825, 3.7971** is the 20% darker color. If you saturate the color by 10%, you get **23.2752, 45.7923, 10.0954**, and if you desaturate by 10%, it is **23.9619, 46.1024, 12.1083**.

Distribution



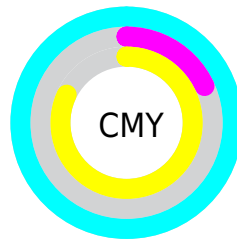
- Red (0%)
- Green (82%)
- Blue (18%)



- Red (0%)
- Yellow (67%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (18%)



- Cyan (100%)
- Magenta (18%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2741, 45.7904, 10.0944 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 23.2741, 45.7904, 10.0944 by changing the saturation by 10% instead.

■ 23.2741, 45.7904,
10.0944

■ 23.2741, 45.7904,
10.0944

261.6388,
369.9653, 201.8537

■ 14.9178, 32.0805,
5.3552

■ 48.3064, 83.9052,
26.5835

■ 8.8477, 21.4230,
2.3948

■ 65.7131, 109.0789,
39.1704

■ 4.6983, 13.4335,
0.7836

■ 86.8673, 138.8426,
55.2104

■ 2.1043, 7.7277,
0.0000

■ 112.1344,
173.5807, 75.1218

■ 0.6915, 3.9212,
0.0000

■ 141.8798,
213.6777, 99.3234

■ 0.0000, 1.6296,
0.0000

■ 176.4687,

■ 0.0000, 0.3774,

259.5178, 128.2335

0.0000

216.2666,
311.4856, 162.2708

■ 0.0000, 0.0000,
0.0000

■ 23.2741, 45.7904,
10.0944

■ 23.2741, 45.7904,
10.0944

■ 23.2752, 45.7923,
10.0954

■ 23.9619, 46.1024,
12.1083

■ 25.1163, 46.6381,
14.8497

■ 26.8619, 47.4616,
18.3835

■ 29.2696, 48.6083,
22.7651

■ 32.3999, 50.1084,
28.0448

■ 36.3064, 51.9886,
34.2691

■ 41.0374, 54.2728,
41.4811

■ 46.6374, 56.9831,
49.7212

■ 53.1474, 60.1399,
59.0278

Harmonies

Analogous

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



33.8323, 45.7904, 3.3640



23.2741, 45.7904, 10.0944



18.6825, 45.7904, 33.7336

Triad

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



23.2741, 45.7904, 10.0944



37.4517, 45.7904, 209.6728



82.4117, 45.7904, 25.4016

Complementary

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



23.2741, 45.7904, 10.0944



32.9961, 16.2361, 36.5151

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.



84.1199, 45.7904, 70.4424



23.2741, 45.7904, 10.0944



54.9058, 45.7904, 201.5100

Square

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



23.2741, 45.7904, 10.0944



25.3269, 45.7904, 158.6309



73.0313, 45.7904, 140.5988



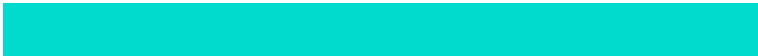
68.8378, 45.7904, 7.3895

Rectangle

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



23.2741, 45.7904, 10.0944



18.5424, 45.7904, 65.5141



73.0313, 45.7904, 140.5988



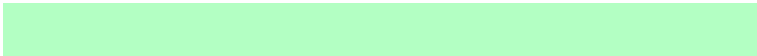
84.5035, 45.7904, 36.9187

Sweetspot

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



23.2752, 45.7923, 10.0954



64.0824, 84.9832, 64.6401



38.7807, 53.8404, 8.3483



13.0084, 17.8479, 12.7668



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.



23.2752, 45.7923, 10.0954



36.4475, 71.7950, 15.5403



28.0133, 47.6875, 35.0459



11.7590, 13.2474, 13.0874



14.3802, 28.2450, 6.3824



0.8342, 1.5913, 0.5155

Inverse Universe

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



32.9961, 16.2361, 36.5151



51.6756, 25.4342, 56.8830



27.1844, 13.9114, 5.9113



12.1972, 11.9636, 14.3145



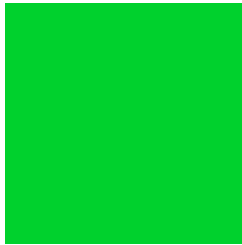
20.3812, 10.0253, 22.7114



1.1674, 0.5717, 1.4163

Previews

White Background



This preview shows how the XYZ color 23.2741, 45.7904, 10.0944 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 23.2741, 45.7904, 10.0944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

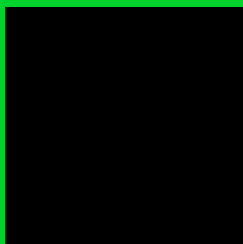
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.2741, 45.7904, 10.0944

Background



This preview shows how black text looks on a background with the XYZ color 23.2741, 45.7904, 10.0944.



This preview shows how white text looks on a background with the XYZ color 23.2741, 45.7904,

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

23.2741, 45.7904, 10.0944

Protanopia

40.5414, 44.7913, 8.2591

Deuteranopia

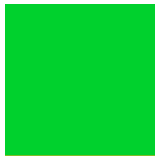
45.7034, 44.7963, 10.9404



Tritanopia

35.0784, 45.7096, 67.9468

Trichromacy



Original Color

23.2741, 45.7904, 10.0944



Protanomaly

27.6985, 41.5693, 8.5713



Deuteranomaly

29.0096, 40.3173, 9.9944



Tritanomaly

27.7348, 44.3228, 35.9475

Monochromacy



Original Color

23.2741, 45.7904, 10.0944



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.6549, 26.7451, 15.7871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2741, 45.7904, 10.0944 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 45) }
```

Border

The CSS property to change the border of an element to XYZ 23.2741, 45.7904, 10.0944 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, 45) }
```


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

```
.border{ border-color:rgb(0, 209, 45) }
```

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, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 209, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.2741, 45.7904, 10.0944 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, 45) }
```

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

```
.background{ background-color: rgb(0, 209,  
45) }
```

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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