

Converting Colors

XYZ(23.1662, 45.4921, 8.8271)

Have a look what the booklet for
XYZ(23.1662, 45.4921, 8.8271)
contains.

XYZ(23.1125, 45.3701, 8.8355)	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(23.1125, 45.3701,
8.8355)**

Conversions

Conversions Part 1

Format	Color
Hex	15D01F
RGB	21, 208, 31
RGB Percent	8%, 82%, 12%
CMY	0.9176, 0.1843, 0.8784
CMYK	0.90, 0.00, 0.85, 0.18
HSL	123°, 82%, 45%
HSV	123°, 90%, 82%
XYZ	23.1125, 45.3701, 8.8355
YIQ	131.9090, -54.6350, -94.6910

Conversions

Conversions Part 2

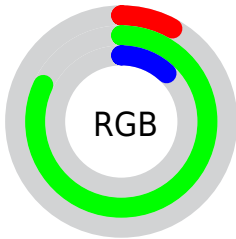
Format	Color
R_{YB}	21, 199, 208
Decimal	1429535
CIE _{Lab}	73.13, -72.12, 67.09
CIE _{LCh}	73, 98.501, 137.067
Yxy	45.3701, 0.2989, 0.5868
Android (android.graphics.Color)	4279619615 (0xFF15D01F)
YUV	131.9090, -49.7481, -97.2672
Hunter-Lab	67.3573, -56.6261, 39.3729

Details

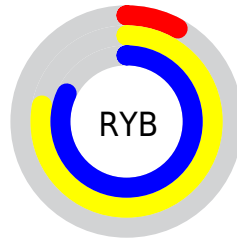
The XYZ color **23.1125, 45.3701, 8.8355** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **36.4743, 18.0239, 54.9803**, and the grayscale version is **22.0887, 23.2391, 25.3073**.

A 20% lighter version of the original color is **44.2108, 75.6431, 22.8601**, and **11.2282, 22.4565, 3.7427** is the 20% darker color. If you saturate the color by 10%, you get **22.6216, 45.1398, 7.8471**, and if you desaturate by 10%, it is **24.0945, 45.8380, 10.6749**.

Distribution



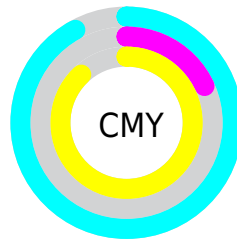
- Red (8%)
- Green (82%)
- Blue (12%)



- Red (8%)
- Yellow (78%)
- Blue (82%)



- Cyan (90%)
- Magenta (0%)
- Yellow (85%)
- Black (18%)





- Cyan (92%)
- Magenta (18%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1125, 45.3701, 8.8355 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 23.1125, 45.3701, 8.8355 by changing the saturation by 10% instead.


 23.1125, 45.3701,
8.8355


 23.1125, 45.3701,
8.8355


260.8268,
368.2704, 192.3186


 14.7978, 31.7490,
4.5387


 48.0433, 83.2755,
24.1535


 8.7630, 21.1699,
1.9253


 65.3900, 108.3286,
36.0117


 4.6428, 13.2482,
0.5087


 86.4782, 137.9613,
51.2275

 2.0718, 7.5997,
0.0000

 111.6730,
172.5578, 70.2193

 0.6738, 3.8399,
0.0000

 141.3399,
212.5025, 93.4059

 0.0000, 1.5844,
0.0000

 175.8443,

 0.0000, 0.3471,

258.1800, 121.2055

0.0000

215.5515,
309.9745, 154.0370

■ 0.0000, 0.0000,
0.0000

■ 23.1125, 45.3701,
8.8355

■ 23.1125, 45.3701,
8.8355

■ 22.6216, 45.1398,
7.8471

■ 24.0945, 45.8380,
10.6749

■ 22.6179, 45.1380,
7.8410

■ 25.6992, 46.6044,
13.4994

■ 28.0084, 47.7104,
17.4218

■ 31.0909, 49.1894,
22.5392

■ 35.0072, 51.0708,
28.9375

■ 39.8118, 53.3809,
36.6951

■ 45.5546, 56.1440,
45.8841

■ 52.2818, 59.3824,
56.5712

■ 60.0366, 63.1171,
68.8194

Harmonies

Analogous

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



34.1029, 45.3701, 2.8695



23.1125, 45.3701, 8.8355



18.2016, 45.3701, 31.0443

Triad

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



23.1125, 45.3701, 8.8355



36.1173, 45.3701, 211.8546



83.2355, 45.3701, 26.4378

Complementary

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



23.1125, 45.3701, 8.8355



36.4743, 18.0239, 54.9803

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.



84.1990, 45.3701, 73.8561



23.1125, 45.3701, 8.8355



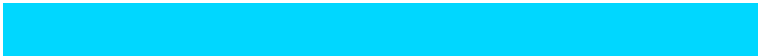
53.6078, 45.3701, 207.2085

Square

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



23.1125, 45.3701, 8.8355



24.2467, 45.3701, 156.6865



72.2496, 45.3701, 146.4595



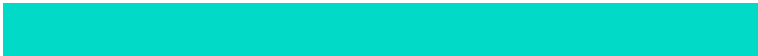
69.8896, 45.3701, 7.3851

Rectangle

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



23.1125, 45.3701, 8.8355



17.8720, 45.3701, 62.0320



72.2496, 45.3701, 146.4595



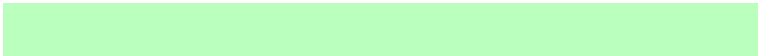
85.1233, 45.3701, 38.6116

Sweetspot

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



23.1136, 45.3720, 8.8365



65.3223, 85.6884, 61.7171



46.1535, 57.2625, 9.3298



13.3549, 18.0394, 12.2036



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.



23.1136, 45.3720, 8.8365



35.8369, 71.5508, 12.3249



26.4949, 46.7245, 26.6425



11.6816, 13.2164, 12.6796



14.1074, 28.1359, 4.9459



0.7980, 1.5769, 0.3250

Inverse Universe

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



36.4743, 18.0239, 54.9803



57.1701, 27.6320, 85.8165



28.8394, 14.9700, 14.7755



12.2823, 11.9977, 14.7626



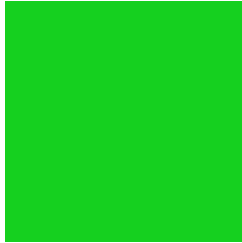
22.4959, 10.8712, 33.8472



1.2664, 0.6113, 1.9376

Previews

White Background



This preview shows how the XYZ color 23.1125, 45.3701, 8.8355 looks on a white background.

Color Contrast Check

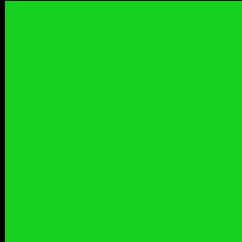
Large Text (above 18pt) WCAG AA × Fail

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 23.1125, 45.3701, 8.8355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

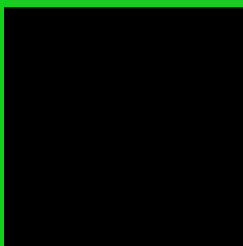
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

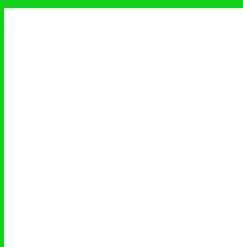
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1125, 45.3701, 8.8355

Background



This preview shows how black text looks on a background with the XYZ color 23.1125, 45.3701, 8.8355.



This preview shows how white text looks on a background with the XYZ color 23.1125, 45.3701,

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

23.1125, 45.3701, 8.8355

Protanopia

40.1526, 44.3162, 7.1967

Deuteranopia

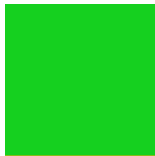
45.2852, 44.3303, 9.6598



Tritanopia

34.9202, 45.3109, 67.2270

Trichromacy



Original Color

23.1125, 45.3701, 8.8355



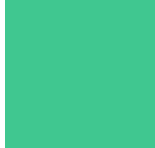
Protanomaly

28.5264, 41.6996, 7.4650



Deuteranomaly

30.0043, 40.5483, 8.8300



Tritanomaly

27.5718, 43.9505, 33.4157

Monochromacy



Original Color

23.1125, 45.3701, 8.8355



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.0500, 28.2431, 15.2739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1125, 45.3701, 8.8355 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(21, 208, 31)` looks like.

```
.text, #text, p{  
    color:rgb(21, 208, 31)  
}
```

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(21, 208, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 208, 31) }
```

Border

The CSS property to change the border of an element to XYZ 23.1125, 45.3701, 8.8355 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(21, 208, 31) }
```


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

```
.border{ border-color:rgb(21, 208, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 208, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 208, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 208, 31);  
box-shadow:4px 4px 4px 4px rgb(21, 208,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1125, 45.3701, 8.8355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 208, 31) }
```

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

```
.background{ background-color: rgb(21, 208,  
31) }
```

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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