

Converting Colors

XYZ(23.0359, 45.9870, 7.6623)

Have a look what the booklet for
XYZ(23.0359, 45.9870, 7.6623)
contains.

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Color

**XYZ(23.1092, 46.1255,
7.6851)**

Conversions

Conversions Part 1

Format	Color
Hex	05D200
RGB	5, 210, 0
RGB Percent	2%, 82%, 0%
CMY	0.9804, 0.1765, 0.9999
CMYK	0.98, 0.00, 1.00, 0.18
HSL	119°, 100%, 41%
HSV	119°, 100%, 82%
XYZ	23.1092, 46.1255, 7.6851
YIQ	124.7650, -54.7700, -108.7700

Conversions

Conversions Part 2

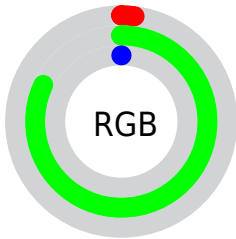
Format	Color
RYB	0, 210, 205
Decimal	381440
CIELab	73.63, -74.25, 71.88
CIELCh	74, 103.342, 135.932
Yxy	46.1255, 0.3004, 0.5997
Android (android.graphics.Color)	4278571520 (0xFF05D200)
YUV	124.7650, -61.5091, -105.0339
Hunter-Lab	67.9158, -58.1157, 40.8320

Details

The XYZ color **23.1092, 46.1255, 7.6851** 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 **36.8181, 17.6370, 62.4390**, and the grayscale version is **19.6293, 20.6515, 22.4895**.

A 20% lighter version of the original color is **43.5057, 75.3327, 20.4313**, and **11.5556, 23.1112, 3.8519** is the 20% darker color. If you saturate the color by 10%, you get **23.1098, 46.1272, 7.6854**, and if you desaturate by 10%, it is **23.5965, 46.3625, 8.4158**.

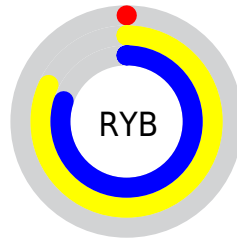
Distribution



Red (2%)

Green (82%)

Blue (0%)



Red (0%)

Yellow (82%)

Blue (80%)

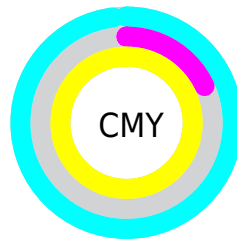


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (98%)


Magenta (18%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1092, 46.1255, 7.6851 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 23.1092, 46.1255, 7.6851 by changing the saturation by 10% instead.


 23.1092, 46.1255,
7.6851


 23.1092, 46.1255,
7.6851


260.8102,
371.3130, 183.0822


 14.7953, 32.3449,
3.8092


 48.0379, 84.4068,
21.8746


 8.7612, 21.6250,
1.5213

 65.3834, 109.6762,
33.0254


 4.6416, 13.5817,
0.2337


 86.4702, 139.5441,
47.4383

 2.0711, 7.8303,
0.0000

 111.6636,
174.3947, 65.5317

 0.6735, 3.9865,
0.0000

 141.3289,
214.6125, 87.7243

 0.0000, 1.6660,
0.0000

 175.8316,

 0.0000, 0.4015,

260.5819, 114.4345

0.0000

215.5369,
312.6872, 146.0810

■ 0.0000, 0.0000,
0.0000

■ 23.1092, 46.1255,
7.6851

■ 23.1092, 46.1255,
7.6851

■ 23.1098, 46.1272,
7.6854

■ 23.5965, 46.3625,
8.4158

■ 24.5929, 46.8434,
9.9383

■ 26.2266, 47.6302,
12.5176

■ 28.5803, 48.7624,
16.2985

■ 31.7240, 50.2733,
21.4033

■ 35.7197, 52.1926,
27.9392

■ 40.6230, 54.5469,
36.0023

■ 46.4849, 57.3607,
45.6808

■ 53.3525, 60.6565,
57.0557

Harmonies

Analogous

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



34.8753, 46.1255, 2.2838



23.1092, 46.1255, 7.6851



17.8029, 46.1255, 29.4961

Triad

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



23.1092, 46.1255, 7.6851



35.8329, 46.1255, 225.0734



87.1206, 46.1255, 27.3312

Complementary

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



23.1092, 46.1255, 7.6851



36.8181, 17.6370, 62.4390

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.



87.5896, 46.1255, 78.9124



23.1092, 46.1255, 7.6851



54.2248, 46.1255, 222.7756

Square

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



23.1092, 46.1255, 7.6851



23.6413, 46.1255, 162.9802



74.2901, 46.1255, 157.9532



73.1459, 46.1255, 7.0410

Rectangle

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



23.1092, 46.1255, 7.6851



17.3318, 46.1255, 61.3722



74.2901, 46.1255, 157.9532



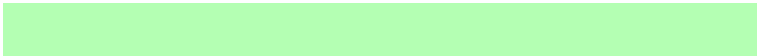
88.9718, 46.1255, 40.5128

Sweetspot

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



23.1103, 46.1274, 7.6861



62.7415, 84.4954, 55.3856



47.9366, 56.4163, 8.3636



12.7017, 17.7362, 10.6570



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.



23.1103, 46.1274, 7.6861



35.8356, 71.5590, 11.9235



25.2531, 46.9774, 19.2955



11.6818, 13.2194, 12.5479



14.1080, 28.1419, 4.6884



0.7981, 1.5783, 0.2626

Inverse Universe

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



36.8181, 17.6370, 62.4390



57.1017, 27.3519, 96.8776



29.5051, 14.8729, 16.6488



12.2820, 11.9942, 14.9114



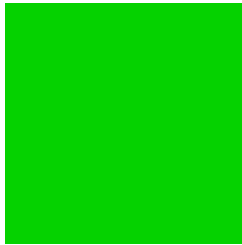
22.4701, 10.7641, 38.0859



1.2654, 0.6065, 2.1299

Previews

White Background



This preview shows how the XYZ color 23.1092, 46.1255, 7.6851 looks on a white background.

Color Contrast Check

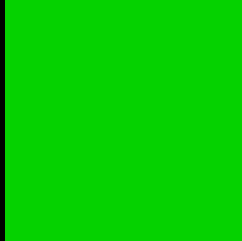
Large Text (above 18pt) WCAG AA × Fail

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 23.1092, 46.1255, 7.6851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

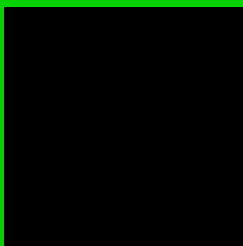
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

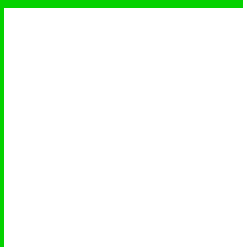
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1092, 46.1255, 7.6851

Background



This preview shows how black text looks on a background with the XYZ color 23.1092, 46.1255, 7.6851.



This preview shows how white text looks on a background with the XYZ color 23.1092, 46.1255,

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

23.1092, 46.1255, 7.6851

Protanopia

40.6784, 45.1991, 6.5803

Deuteranopia

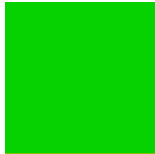
45.9192, 44.9543, 8.8416



Tritanopia

35.2975, 45.8081, 68.6095

Trichromacy



Original Color

23.1092, 46.1255, 7.6851



Protanomaly

27.8367, 42.0074, 6.6411



Deuteranomaly

29.2478, 40.8064, 7.4973



Tritanomaly

26.7023, 43.9293, 29.6261

Monochromacy



Original Color

23.1092, 46.1255, 7.6851



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

16.7298, 26.1055, 11.7465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1092, 46.1255, 7.6851 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(5, 210, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 210, 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(5, 210, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 210, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.1092, 46.1255, 7.6851 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(5, 210, 0) }
```


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

```
.border{ border-color:rgb(5, 210, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 210, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 210, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 210, 0); box-shadow:4px  
4px 4px 4px rgb(5, 210, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1092, 46.1255, 7.6851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 210, 0) }
```

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

```
.background{ background-color: rgb(5, 210,  
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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