

Converting Colors

XYZ(56.3672, 72.9900, 11.1176)

Have a look what the booklet for
XYZ(56.3672, 72.9900, 11.1176)
contains.

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Color

**XYZ(56.5723, 73.2655,
11.1600)**

Conversions

Conversions Part 1

Format	Color
Hex	D3EB00
RGB	211, 235, 0
RGB Percent	83%, 92%, 0%
CMY	0.1726, 0.0784, 0.9999
CMYK	0.10, 0.00, 1.00, 0.08
HSL	66°, 100%, 46%
HSV	66°, 100%, 92%
XYZ	56.5723, 73.2655, 11.1600
YIQ	201.0340, 61.1310, -78.1730

Conversions

Conversions Part 2

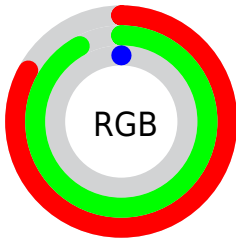
Format	Color
RYB	0, 235, 24
Decimal	13888256
CIELab	88.57, -30.16, 86.70
CIELCh	89, 91.799, 109.181
Yxy	73.2655, 0.4012, 0.5196
Android (android.graphics.Color)	4292078336 (0xFFD3EB00)
YUV	201.0340, -99.1098, 8.7402
Hunter-Lab	85.5953, -31.8161, 52.1864

Details

The XYZ color **56.5723, 73.2655, 11.1600** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **15.3743, 6.1939, 78.9869**, and the grayscale version is **56.1115, 59.0337, 64.2877**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **28.8826, 38.8195, 5.9706** is the 20% darker color. If you saturate the color by 10%, you get **56.5728, 73.2683, 11.1605**, and if you desaturate by 10%, it is **57.4269, 73.6901, 12.0359**.

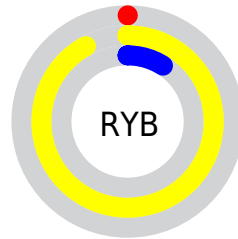
Distribution



Red (83%)

Green (92%)

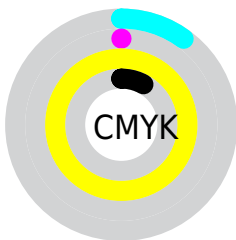
Blue (0%)



Red (0%)

Yellow (92%)

Blue (9%)

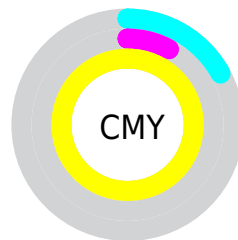


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (17%)


Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5723, 73.2655, 11.1600 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 56.5723, 73.2655, 11.1600 by changing the saturation by 10% instead.


 56.5723, 73.2655,
11.1600

 56.5723, 73.2655,
11.1600


401.8849,
471.9345, 209.5387

 40.9008, 54.1931,
6.0590


 98.9758, 123.8541,
28.5968

 28.4289, 38.7561,
2.8116


 126.4385,
156.1390, 41.7697


 18.7913, 26.5700,
0.9993


 158.5623,
193.5969, 58.4704

 11.6227, 17.2505,
0.0000

 195.7125,
236.6121, 79.1173

 6.5577, 10.4133,
0.0000

 238.2545,
285.5691, 104.1291

 3.2309, 5.6738,
0.0000

 286.5536,

 1.2770, 2.6478,

340.8522, 133.9242

0.0000

340.9753,
402.8459, 168.9212

■ 0.1659, 0.9507,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.5723, 73.2655,
11.1600

■ 56.5723, 73.2655,
11.1600

■ 56.5728, 73.2683,
11.1605

■ 57.4269, 73.6901,
12.0359

■ 58.4840, 74.1942,
13.9315

■ 59.8065, 74.8056,
17.1702

■ 61.4302, 75.5388,
21.9410

63.3853, 76.4057,
28.4027

65.6984, 77.4170,
36.6943

68.3931, 78.5822,
46.9405

71.4910, 79.9098,
59.2550

75.0122, 81.4080,
73.7429

Harmonies

Analogous

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



77.9319, 73.2655, 9.9660



56.5723, 73.2655, 11.1600



42.1461, 73.2655, 23.6921

Triad

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



56.5723, 73.2655, 11.1600



45.3636, 73.2655, 212.0810



120.3436, 73.2655, 104.9005

Complementary

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



56.5723, 73.2655, 11.1600



15.3743, 6.1939, 78.9869

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.



107.0523, 73.2655, 188.8715



56.5723, 73.2655, 11.1600



61.9520, 73.2655, 269.2876

Square

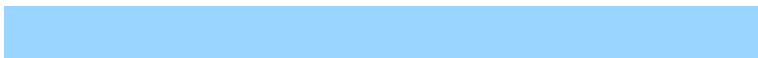
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.5723, 73.2655, 11.1600



36.6864, 73.2655, 126.8786



84.5718, 73.2655, 259.0710



118.0460, 73.2655, 46.0629

Rectangle

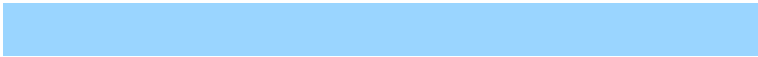
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.5723, 73.2655, 11.1600



36.9583, 73.2655, 43.8309



84.5718, 73.2655, 259.0710



117.4557, 73.2655, 131.3898

Sweetspot

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



56.5740, 73.2689, 11.1615



82.2689, 94.5621, 56.2995



34.5801, 18.2973, 1.7101



17.3032, 20.1083, 10.8724



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.



56.5740, 73.2689, 11.1615



68.0563, 88.1693, 13.4314



34.3286, 61.8010, 10.1205



16.1915, 17.5443, 16.0517



31.5468, 40.8075, 6.2139



2.5210, 3.2269, 0.4900

Inverse Universe

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



15.3743, 6.1939, 78.9869



18.4774, 7.4403, 95.0700



25.9840, 11.6635, 79.4834



14.3740, 14.6225, 18.9871



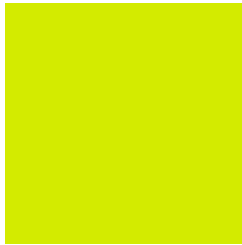
8.6045, 3.4717, 43.9596



0.7238, 0.2974, 3.4541

Previews

White Background



This preview shows how the XYZ color 56.5723, 73.2655, 11.1600 looks on a white background.

Color Contrast Check

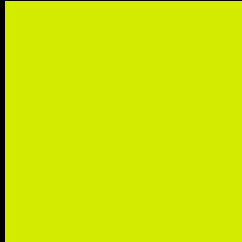
Large Text (above 18pt) WCAG AA × Fail

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 56.5723, 73.2655, 11.1600 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 56.5723, 73.2655, 11.1600

Background



This preview shows how black text looks on a background with the XYZ color 56.5723, 73.2655, 11.1600.

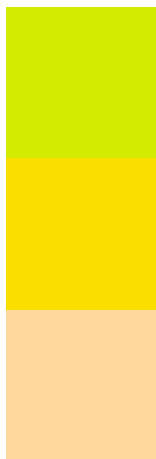


This preview shows how white text looks on a background with the XYZ color 56.5723, 73.2655,

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

56.5723, 73.2655, 11.1600

Protanopia

65.5456, 72.5665, 10.5521

Deuteranopia

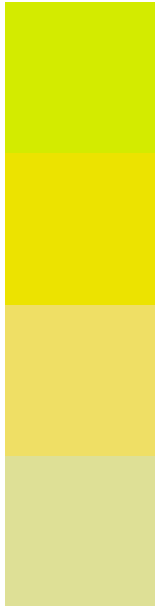
71.9674, 72.8404, 42.6143



Tritanopia

72.2066, 72.6929, 89.5823

Trichromacy



Original Color

56.5723, 73.2655, 11.1600

Protanomaly

62.0612, 72.7710, 10.7752

Deuteranomaly

64.3332, 72.0657, 22.8313

Tritanomaly

62.2849, 71.0429, 39.2841

Monochromacy



Original Color

56.5723, 73.2655, 11.1600

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

52.8674, 62.1261, 29.6272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5723, 73.2655, 11.1600 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(211, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 235, 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(211, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 235, 0) }
```

Border

The CSS property to change the border of an element to XYZ 56.5723, 73.2655, 11.1600 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(211, 235, 0) }
```


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

```
.border{ border-color:rgb(211, 235, 0) }
```

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

Here you see how a box with a 4 pixel rgb(211, 235, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 235,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5723, 73.2655, 11.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 235, 0) }
```

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

```
.background{ background-color: rgb(211,  
235, 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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