

Converting Colors

XYZ(66.6337, 87.3874, 15.5575)

Have a look what the booklet for
XYZ(66.6337, 87.3874, 15.5575)
contains.

XYZ(66.6093, 87.3751, 15.5449)	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(66.6093, 87.3751,
15.5449)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFF2A
RGB	223, 255, 42
RGB Percent	87%, 100%, 16%
CMY	0.1255, 0.0000, 0.8352
CMYK	0.13, 0.00, 0.84, 0.00
HSL	69°, 100%, 58%
HSV	69°, 84%, 100%
XYZ	66.6093, 87.3751, 15.5449
YIQ	221.1500, 49.3010, -73.0270

Conversions

Conversions Part 2

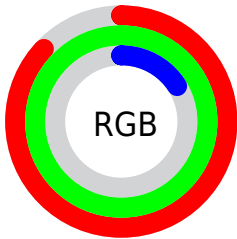
Format	Color
RYB	42, 255, 74
Decimal	14679850
CIELab	94.90, -33.88, 86.67
CIELCh	95, 93.060, 111.352
Yxy	87.3751, 0.3929, 0.5154
Android (android.graphics.Color)	4292869930 (0xFFDFFF2A)
YUV	221.1500, -88.3209, 1.6224
Hunter-Lab	93.4746, -36.3829, 55.5723

Details

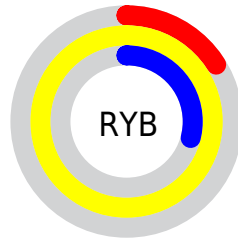
The XYZ color **66.6093, 87.3751, 15.5449** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **21.7035, 10.3332, 95.4583**, and the grayscale version is **69.4099, 73.0246, 79.5238**.

A 20% lighter version of the original color is **79.8145, 93.9058, 28.6708**, and **35.2983, 48.1747, 7.4382** is the 20% darker color. If you saturate the color by 10%, you get **65.1213, 86.6451, 13.8025**, and if you desaturate by 10%, it is **68.4137, 88.2348, 18.8164**.

Distribution



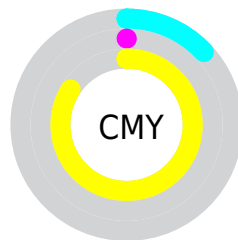
- Red (87%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (29%)



- Cyan (13%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6093, 87.3751, 15.5449 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 66.6093, 87.3751, 15.5449 by changing the saturation by 10% instead.

66.6093, 87.3751,
15.5449

66.6093, 87.3751,
15.5449

438.0072,
519.4546, 238.3944

49.0367, 65.8057,
9.0518

113.4133,
143.6869, 36.5620

34.8633, 48.1147,
4.6777

143.3754,
179.1980, 51.9232

23.7236, 33.9177,
2.0040

178.1981,
220.1251, 71.0775

15.2523, 22.8304,
0.5578

218.2467,
266.8526, 94.4434

9.0841, 14.4683,
0.0000

263.8865,
319.7649, 122.4395

4.8536, 8.4471,
0.0000

315.4830,

2.1955, 4.3823,

379.2464, 155.4843

0.0000

373.4014,
445.6815, 193.9965

■ 0.7404, 1.8897,
0.0000

■ 0.0000, 0.5421,
0.0000

■ 66.6093, 87.3751,
15.5449

■ 66.6093, 87.3751,
15.5449

■ 65.1213, 86.6451,
13.8025

■ 68.4137, 88.2348,
18.8164

■ 64.2823, 86.2238,
13.2548

■ 70.5823, 89.2432,
23.8644

■ 73.1544, 90.4162,
30.8961

■ 76.1639, 91.7673,
40.0892

■ 79.6411, 93.3087,
51.6017

■ 83.6132, 95.0512,
65.5770

■ 88.1055, 97.0050,
82.1467

■ 93.1414, 99.1794,
101.4333

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



90.5560, 87.3751, 13.2863



66.6093, 87.3751, 15.5449



50.6336, 87.3751, 32.0804

Triad

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



66.6093, 87.3751, 15.5449



56.2890, 87.3751, 250.0919



140.8217, 87.3751, 117.5892

Complementary

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



66.6093, 87.3751, 15.5449



21.7035, 10.3332, 95.4583

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.



126.9809, 87.3751, 210.9340



66.6093, 87.3751, 15.5449



75.9658, 87.3751, 309.1501

Square

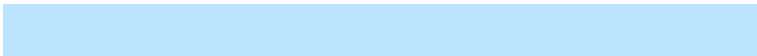
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.6093, 87.3751, 15.5449



45.5687, 87.3751, 155.2071



101.9892, 87.3751, 292.0224



136.9084, 87.3751, 52.9922

Rectangle

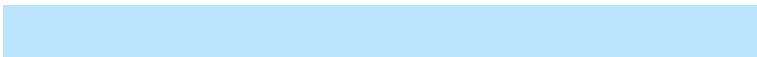
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.6093, 87.3751, 15.5449



45.0459, 87.3751, 57.2734



101.9892, 87.3751, 292.0224



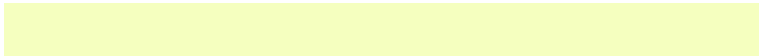
138.0040, 87.3751, 146.8246

Sweetspot

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



66.6093, 87.3751, 15.5461



82.9950, 94.7810, 63.3548



44.1043, 26.3196, 4.9473



17.4589, 20.1533, 12.4761



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.



66.6093, 87.3751, 15.5461



64.2823, 86.2238, 13.2548



43.4550, 75.4386, 14.4625



19.2773, 20.9444, 19.1710



33.6905, 45.1062, 6.9307



3.3499, 4.4277, 0.6781

Inverse Universe

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



21.7035, 10.3332, 95.4583



18.8609, 7.6380, 95.0880



37.8068, 18.6347, 96.2120



17.2570, 17.5087, 22.7199



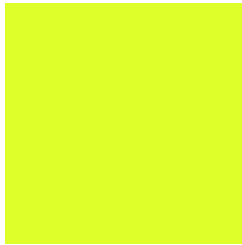
9.9307, 4.0300, 49.6890



1.0382, 0.4291, 4.8414

Previews

White Background



This preview shows how the XYZ color 66.6093, 87.3751, 15.5449 looks on a white background.

Color Contrast Check

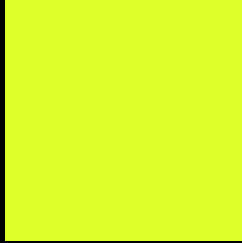
Large Text (above 18pt) WCAG AA × Fail

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 66.6093, 87.3751, 15.5449 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 66.6093, 87.3751, 15.5449

Background



This preview shows how black text looks on a background with the XYZ color 66.6093, 87.3751, 15.5449.



This preview shows how white text looks on a background with the XYZ color 66.6093, 87.3751,

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



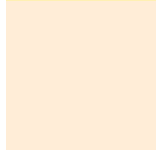
Original Color

66.6093, 87.3751, 15.5449



Protanopia

80.5368, 86.8348, 55.1639



Deuteranopia

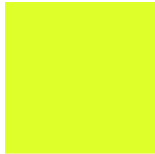
83.7899, 86.7347, 76.6152



Tritanopia

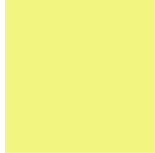
84.9521, 86.6656, 106.8584

Trichromacy



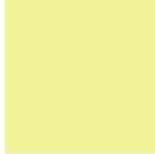
Original Color

66.6093, 87.3751, 15.5449



Protanomaly

73.5770, 85.9445, 33.4799



Deuteranomaly

74.9803, 86.0231, 42.3580



Tritanomaly

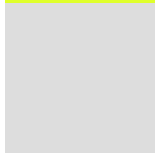
74.6475, 85.5779, 54.7033

Monochromacy



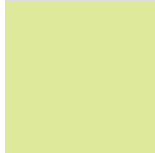
Original Color

66.6093, 87.3751, 15.5449



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.2639, 76.2077, 42.7223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6093, 87.3751, 15.5449 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(223, 255, 42)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 42)  
}
```

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(223, 255, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 42) }
```

Border

The CSS property to change the border of an element to XYZ 66.6093, 87.3751, 15.5449 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(223, 255, 42) }
```


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

```
.border{ border-color:rgb(223, 255, 42) }
```

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

Here you see how a box with a 4 pixel rgb(223, 255, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 42);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6093, 87.3751, 15.5449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 42) }
```

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

```
.background{ background-color: rgb(223,  
255, 42) }
```

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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