

Converting Colors

XYZ(53.4137, 66.2532, 9.9729)

Have a look what the booklet for
XYZ(53.4137, 66.2532, 9.9729)
contains.

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Color

**XYZ(53.5618, 66.3887,
9.9913)**

Conversions

Conversions Part 1

Format	Color
Hex	D5DE00
RGB	213, 222, 0
RGB Percent	84%, 87%, 0%
CMY	0.1647, 0.1294, 0.9999
CMYK	0.04, 0.00, 1.00, 0.13
HSL	62°, 100%, 44%
HSV	62°, 100%, 87%
XYZ	53.5618, 66.3887, 9.9913
YIQ	194.0010, 65.8980, -70.9500

Conversions

Conversions Part 2

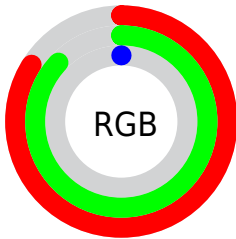
Format	Color
R_{YB}	0, 222, 9
Decimal	14016000
CIE _{Lab}	85.19, -23.19, 84.26
CIE _{LCh}	85, 87.396, 105.387
Yxy	66.3887, 0.4122, 0.5109
Android (android.graphics.Color)	4292206080 (0xFFD5DE00)
YUV	194.0010, -95.6425, 16.6621
Hunter-Lab	81.4793, -25.2486, 49.7651

Details

The XYZ color **53.5618, 66.3887, 9.9913** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **13.2991, 5.3332, 69.4399**, and the grayscale version is **51.8035, 54.5014, 59.3520**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **27.1451, 34.5075, 5.2299** is the 20% darker color. If you saturate the color by 10%, you get **53.5628, 66.3915, 9.9918**, and if you desaturate by 10%, it is **53.9722, 66.5856, 10.7784**.

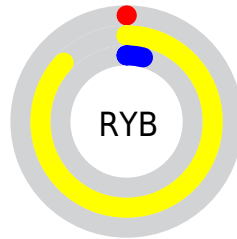
Distribution



Red (84%)

Green (87%)

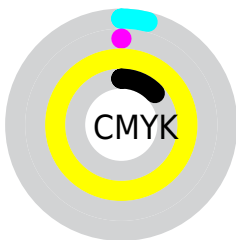
Blue (0%)



Red (0%)

Yellow (87%)

Blue (4%)

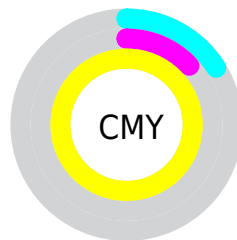


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (16%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5618, 66.3887, 9.9913 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 53.5618, 66.3887, 9.9913 by changing the saturation by 10% instead.


 53.5618, 66.3887,
9.9913


 53.5618, 66.3887,
9.9913


390.6625,
447.7657, 201.0925


 38.4807, 48.5880,
5.2877


 94.5912, 114.0440,
26.3867


 26.5349, 34.2928,
2.3553


 121.2702,
144.6675, 38.9155

 17.3590, 23.1186,
0.7620


 152.5460,
180.3340, 54.8898

 10.5877, 14.6811,
0.0000

 188.7838,
221.4279, 74.7282

 5.8555, 8.5959,
0.0000

 230.3489,
268.3336, 98.8491

 2.7973, 4.4785,
0.0000

 277.6069,

 1.0475, 1.9447,

321.4356, 127.6711

0.0000

330.9229,
381.1181, 161.6127

■ 0.0000, 0.5750,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.5618, 66.3887,
9.9913

■ 53.5618, 66.3887,
9.9913

■ 53.5628, 66.3915,
9.9918

■ 53.9722, 66.5856,
10.7784

■ 54.5515, 66.8478,
12.4533

■ 55.3557, 67.2001,
15.3058

■ 56.4162, 67.6550,
19.4995

■ 57.7590, 68.2231,
25.1725

■ 59.4070, 68.9134,
32.4454

■ 61.3810, 69.7343,
41.4267

■ 63.6996, 70.6932,
52.2152

■ 66.3801, 71.7970,
64.9022

Harmonies

Analogous

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



73.1615, 66.3887, 9.8901



53.5618, 66.3887, 9.9913



39.7677, 66.3887, 19.6870

Triad

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



53.5618, 66.3887, 9.9913



40.0347, 66.3887, 180.4668



107.3793, 66.3887, 103.3006

Complementary

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



53.5618, 66.3887, 9.9913



13.2991, 5.3332, 69.4399

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.



94.1358, 66.3887, 178.5633



53.5618, 66.3887, 9.9913



54.0069, 66.3887, 236.5824

Square

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



53.5618, 66.3887, 9.9913



33.1402, 66.3887, 105.1100



73.7093, 66.3887, 235.7459



107.1903, 66.3887, 47.1240

Rectangle

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



53.5618, 66.3887, 9.9913



34.5171, 66.3887, 35.8263



73.7093, 66.3887, 235.7459



104.2470, 66.3887, 127.6229

Sweetspot

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



53.5633, 66.3918, 9.9927



83.9534, 95.4305, 56.3783



30.2068, 15.6919, 1.4376



17.7127, 20.3195, 10.8916



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.



53.5633, 66.3918, 9.9927



73.2952, 90.8701, 13.6766



31.7878, 55.1661, 8.9736



14.8139, 15.9997, 14.6143



31.8371, 39.4451, 5.9357



2.2241, 2.7430, 0.4122

Inverse Universe

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



13.2991, 5.3332, 69.4399



18.1795, 7.2868, 95.0561



20.7139, 9.1557, 69.7869



13.0032, 13.2697, 17.2636



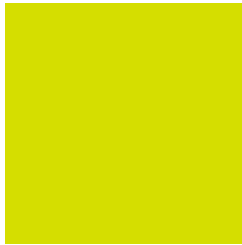
7.9209, 3.1787, 41.2444



0.5674, 0.2298, 2.8597

Previews

White Background



This preview shows how the XYZ color 53.5618, 66.3887, 9.9913 looks on a white background.

Color Contrast Check

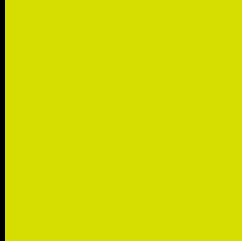
Large Text (above 18pt) WCAG AA × Fail

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 53.5618, 66.3887, 9.9913 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 53.5618, 66.3887, 9.9913

Background



This preview shows how black text looks on a background with the XYZ color 53.5618, 66.3887, 9.9913.

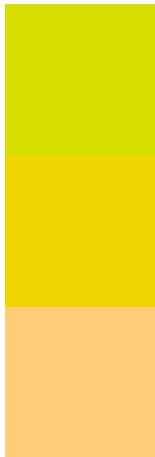


This preview shows how white text looks on a background with the XYZ color 53.5618, 66.3887,

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

53.5618, 66.3887, 9.9913

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

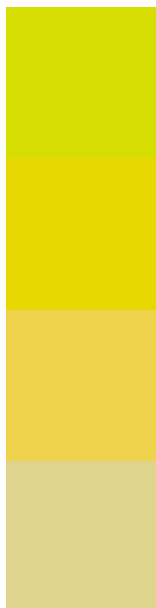
66.4011, 66.2546, 26.7415



Tritanopia

67.3855, 65.9643, 78.9928

Trichromacy



Original Color

53.5618, 66.3887, 9.9913

Protanomaly

57.1890, 65.9347, 9.7125

Deuteranomaly

60.5340, 65.6356, 16.3159

Tritanomaly

58.8574, 64.7279, 34.9828

Monochromacy



Original Color

53.5618, 66.3887, 9.9913

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.2554, 57.0333, 27.1514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5618, 66.3887, 9.9913 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(213, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 222, 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(213, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 222, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.5618, 66.3887, 9.9913 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(213, 222, 0) }
```


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

```
.border{ border-color:rgb(213, 222, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 222,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5618, 66.3887, 9.9913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 222, 0) }
```

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

```
.background{ background-color: rgb(213,  
222, 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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