

Converting Colors

XYZ(53.9403, 66.5247, 9.9976)

Have a look what the booklet for
XYZ(53.9403, 66.5247, 9.9976)
contains.

XYZ(53.8528, 66.5387, 10.0049)	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(53.8528, 66.5387,
10.0049)**

Conversions

Conversions Part 1

Format	Color
Hex	D6DE00
RGB	214, 222, 0
RGB Percent	84%, 87%, 0%
CMY	0.1608, 0.1294, 0.9999
CMYK	0.04, 0.00, 1.00, 0.13
HSL	62°, 100%, 44%
HSV	62°, 100%, 87%
XYZ	53.8528, 66.5387, 10.0049
YIQ	194.3000, 66.4940, -70.7380

Conversions

Conversions Part 2

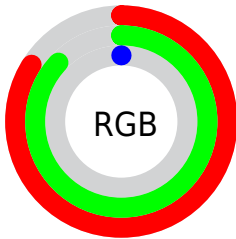
Format	Color
RYB	0, 222, 8
Decimal	14081536
CIELab	85.27, -22.77, 84.35
CIELCh	85, 87.374, 105.107
Yxy	66.5387, 0.4130, 0.5103
Android (android.graphics.Color)	4292271616 (0xFFD6DE00)
YUV	194.3000, -95.7899, 17.2769
Hunter-Lab	81.5713, -24.9052, 49.8278

Details

The XYZ color **53.8528, 66.5387, 10.0049** 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 **13.2865, 5.3267, 69.4393**, and the grayscale version is **51.9822, 54.6894, 59.5567**.

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 **53.8538, 66.5416, 10.0054**, and if you desaturate by 10%, it is **54.2355, 66.7213, 10.7907**.

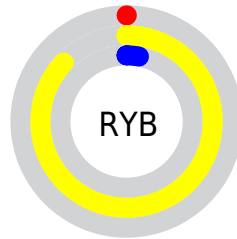
Distribution



Red (84%)

Green (87%)

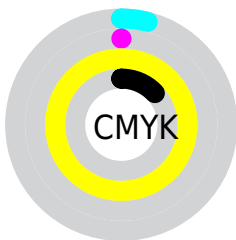
Blue (0%)



Red (0%)

Yellow (87%)

Blue (3%)

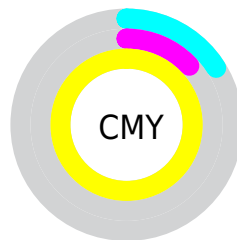


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (16%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8528, 66.5387, 10.0049 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 53.8528, 66.5387, 10.0049 by changing the saturation by 10% instead.


 53.8528, 66.5387,
10.0049


 53.8528, 66.5387,
10.0049


391.7560,
448.3010, 201.1931

 38.7142, 48.7098,
5.2966


 95.0162, 114.2592,
26.4127

 26.7172, 34.3894,
2.3605


 121.7718,
144.9196, 38.9492


 17.4964, 23.1929,
0.7648


 153.1303,
180.6259, 54.9322

 10.6865, 14.7360,
0.0000

 189.4573,
221.7626, 74.7802

 5.9222, 8.6343,
0.0000

 231.1180,
268.7141, 98.9117

 2.8380, 4.5034,
0.0000

 278.4777,

 1.0687, 1.9590,

321.8647, 127.7454

0.0000

331.9019,
381.5989, 161.6997

■ 0.0000, 0.5835,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.8528, 66.5387,
10.0049

■ 53.8528, 66.5387,
10.0049

■ 53.8538, 66.5416,
10.0054

■ 54.2355, 66.7213,
10.7907

■ 54.7867, 66.9690,
12.4643

■ 55.5626, 67.3067,
15.3154

■ 56.5944, 67.7469,
19.5078

■ 57.9082, 68.3000,
25.1793

■ 59.5270, 68.9753,
32.4509

■ 61.4714, 69.7809,
41.4307

■ 63.7601, 70.7244,
52.2177

■ 66.4105, 71.8127,
64.9033

Harmonies

Analogous

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



73.5145, 66.5387, 9.9769



53.8528, 66.5387, 10.0049



39.9739, 66.5387, 19.6056

Triad

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



53.8528, 66.5387, 10.0049



40.0478, 66.5387, 180.0422



107.5015, 66.5387, 104.1526

Complementary

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



53.8528, 66.5387, 10.0049



13.2865, 5.3267, 69.4393

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.



94.1422, 66.5387, 179.5161



53.8528, 66.5387, 10.0049



53.9759, 66.5387, 236.5836

Square

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



53.8528, 66.5387, 10.0049



33.2074, 66.5387, 104.6528



73.6659, 66.5387, 236.3524



107.4492, 66.5387, 47.6395

Rectangle

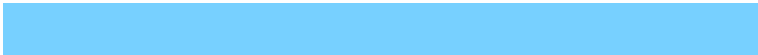
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.8528, 66.5387, 10.0049



34.6706, 66.5387, 35.6342



73.6659, 66.5387, 236.3524



104.3250, 66.5387, 128.5508

Sweetspot

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



53.8543, 66.5418, 10.0063



84.0783, 95.4949, 56.3841



30.2068, 15.6919, 1.4376



17.7432, 20.3351, 10.8930



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.



53.8543, 66.5418, 10.0063



73.6966, 91.0770, 13.6954



31.7877, 55.1661, 8.9736



14.8203, 16.0031, 14.6146



32.0075, 39.5330, 5.9437



2.2341, 2.7482, 0.4127

Inverse Universe

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



13.2865, 5.3267, 69.4393



18.1651, 7.2794, 95.0554



20.7139, 9.1557, 69.7869



12.9975, 13.2668, 17.2634



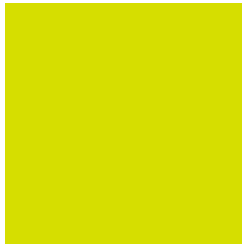
7.9110, 3.1736, 41.2440



0.5647, 0.2284, 2.8596

Previews

White Background



This preview shows how the XYZ color 53.8528, 66.5387, 10.0049 looks on a white background.

Color Contrast Check

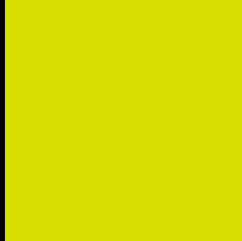
Large Text (above 18pt) WCAG AA × Fail

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 53.8528, 66.5387, 10.0049 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 53.8528, 66.5387, 10.0049

Background



This preview shows how black text looks on a background with the XYZ color 53.8528, 66.5387, 10.0049.

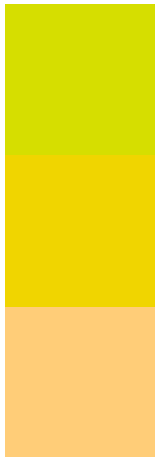


This preview shows how white text looks on a background with the XYZ color 53.8528, 66.5387,

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

53.8528, 66.5387, 10.0049

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

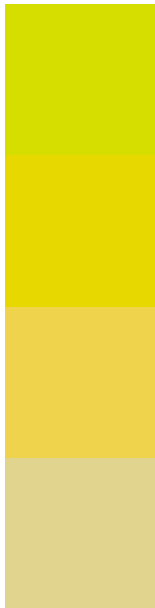
66.4615, 66.2787, 27.0595



Tritanopia

67.7037, 66.1283, 79.0077

Trichromacy



Original Color

53.8528, 66.5387, 10.0049

Protanomaly

57.5109, 66.1007, 9.7276

Deuteranomaly

60.5340, 65.6356, 16.3159

Tritanomaly

59.1664, 64.8873, 34.9973

Monochromacy



Original Color

53.8528, 66.5387, 10.0049

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 53.8528, 66.5387, 10.0049 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(214, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 222, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.8528, 66.5387, 10.0049 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(214, 222, 0) }
```


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

```
.border{ border-color:rgb(214, 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(214, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 222,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8528, 66.5387, 10.0049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 222, 0) }
```

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

```
.background{ background-color: rgb(214,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor