

# Converting Colors

XYZ(53.3673, 66.0070, 20.8633)

Have a look what the booklet for  
XYZ(53.3673, 66.0070, 20.8633)  
contains.

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# Color

**XYZ(53.3637, 66.0479,  
20.7624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDDE5F
RGB	205, 222, 95
RGB Percent	80%, 87%, 37%
CMY	0.1961, 0.1294, 0.6274
CMYK	0.08, 0.00, 0.57, 0.13
HSL	68°, 66%, 62%
HSV	68°, 57%, 87%
XYZ	53.3637, 66.0479, 20.7624
YIQ	202.4390, 30.6350, -43.1010

# Conversions

## Conversions Part 2

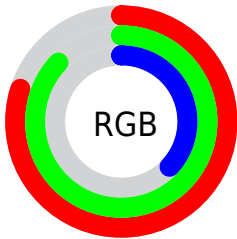
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 222, 112
Decimal	13491807
CIELab	85.02, -22.95, 59.06
CIELCh	85, 63.361, 111.238
Yxy	66.0479, 0.3807, 0.4712
Android (android.graphics.Color)	4291681887 (0xFFCDDE5F)
YUV	202.4390, -52.9674, 2.2460
Hunter-Lab	81.2699, -25.0150, 41.7418

# Details

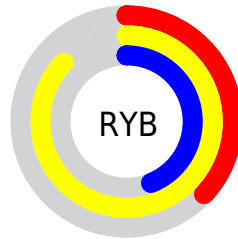
The XYZ color **53.3637, 66.0479, 20.7624** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **23.9614, 16.9046, 71.1112**, and the grayscale version is **56.7224, 59.6764, 64.9875**.

A 20% lighter version of the original color is **82.4248, 94.9499, 42.4167**, and **26.3977, 34.0798, 7.1062** is the 20% darker color. If you saturate the color by 10%, you get **51.6833, 65.2843, 16.1463**, and if you desaturate by 10%, it is **55.3504, 66.9406, 26.8962**.

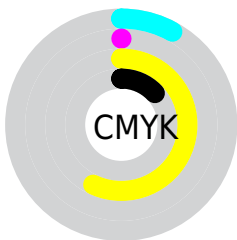
# Distribution



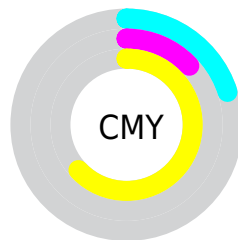
- Red (80%)
- Green (87%)
- Blue (37%)



- Red (37%)
- Yellow (87%)
- Blue (44%)



- Cyan (8%)
- Magenta (0%)
- Yellow (57%)
- Black (13%)




- Cyan (20%)
- Magenta (13%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3637, 66.0479, 20.7624 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 53.3637, 66.0479, 20.7624 by changing the saturation by 10% instead.





 53.3637, 66.0479,  
20.7624

 53.3637, 66.0479,  
20.7624


389.9170,  
446.5482, 268.7525

 38.3218, 48.3113,  
12.7609


 94.3017, 113.5551,  
45.5674


 26.4109, 34.0735,  
7.1353


 120.9286,  
144.0944, 63.2080

 17.2656, 22.9500,  
3.4671


 152.1478,  
179.6702, 84.8987

 10.5205, 14.5566,  
1.3378

 188.3248,  
220.6667, 111.0580

 5.8103, 8.5088,  
0.0925

229.8248,  
267.4683, 142.1045

 2.7696, 4.4222,  
0.0000

277.0133,

 1.0331, 1.9124,

320.4595, 178.4567

0.0000

330.2556,  
380.0247, 220.5332

0.0000, 0.5558,  
0.0000

0.0000, 0.0000,  
0.0000

53.3637, 66.0479,  
20.7624

53.3637, 66.0479,  
20.7624

51.6833, 65.2843,  
16.1463

55.3504, 66.9406,  
26.8962

50.2792, 64.6306,  
12.9112


57.6609, 67.9622,  
34.6604


49.1234, 64.0780,  
10.9032


60.3169, 69.1239,  
44.1619

48.1769, 63.6109,  
9.9170


63.3369, 70.4330,  
55.4975


 47.9316, 63.4884,  
9.7282

 66.7379, 71.8964,  
68.7565

 70.5360, 73.5204,  
84.0227

 74.7461, 75.3111,  
101.3748

 76.4161, 76.0876,  
105.2665

 77.3717, 76.5802,  
105.3113

# Harmonies

## Analogous

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



67.0444, 66.0479, 18.8932



53.3637, 66.0479, 20.7624



43.7409, 66.0479, 33.1190

# Triad

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



53.3637, 66.0479, 20.7624



47.1347, 66.0479, 152.1133



93.9428, 66.0479, 84.5454

# Complementary

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



53.3637, 66.0479, 20.7624



23.9614, 16.9046, 71.1112

# 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.



86.6613, 66.0479, 133.0940



53.3637, 66.0479, 20.7624



58.6938, 66.0479, 180.7132

# Square

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



53.3637, 66.0479, 20.7624



40.5412, 66.0479, 104.2558



73.2359, 66.0479, 172.6763



91.9406, 66.0479, 47.0668



# Rectangle

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



53.3637, 66.0479, 20.7624



40.2394, 66.0479, 49.5098



73.2359, 66.0479, 172.6763



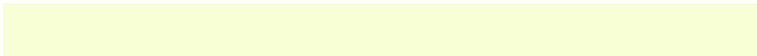
92.4639, 66.0479, 100.2274

# Sweetspot

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



53.3653, 66.0509, 20.7638



86.7362, 96.4315, 76.0978



37.9789, 27.9312, 14.2169



18.3769, 20.5590, 15.5701



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.



53.3653, 66.0509, 20.7638



70.2703, 89.1475, 20.9102



39.2703, 58.7847, 20.1041



14.6818, 15.9316, 14.6081



28.5376, 37.7442, 5.7813



2.0288, 2.6423, 0.4031



# Inverse Universe

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



23.9614, 16.9046, 71.1112



26.3985, 15.6797, 96.2429



35.0558, 22.6240, 71.6304



13.1218, 13.3308, 17.2692



8.1978, 3.3215, 41.2574



0.6240, 0.2590, 2.8623



# Previews

## White Background



This preview shows how the XYZ color 53.3637, 66.0479, 20.7624 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 53.3637, 66.0479, 20.7624 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 53.3637, 66.0479, 20.7624**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.3637, 66.0479, 20.7624.



This preview shows how white text looks on a background with the XYZ color 53.3637, 66.0479,



# 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



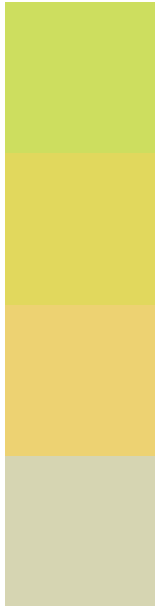
<b>Original Color</b>
53.3637, 66.0479, 20.7624
<b>Protanopia</b>
60.0673, 65.6925, 19.6393
<b>Deuteranopia</b>
66.2976, 65.4525, 28.5414



## Tritanopia

65.3599, 65.6081, 80.4529

# Trichromacy



## Original Color

53.3637, 66.0479, 20.7624

## Protanomaly

57.5830, 65.9096, 20.0428

## Deuteranomaly

61.0089, 65.3126, 25.3107

## Tritanomaly

59.5617, 65.0990, 51.5456

# Monochromacy



## Original Color

53.3637, 66.0479, 20.7624

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

54.0399, 60.9418, 43.5651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3637, 66.0479, 20.7624 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(205, 222, 95)` looks like.

```
.text, #text, p{  
    color:rgb(205, 222, 95)  
}
```

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(205, 222, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 222, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3637, 66.0479, 20.7624 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(205, 222, 95) }
```



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

```
.border{ border-color:rgb(205, 222, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 222, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 222, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 222, 95);  
box-shadow:4px 4px 4px 4px rgb(205, 222,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3637, 66.0479, 20.7624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 222, 95) }
```

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

```
.background{ background-color: rgb(205,  
222, 95) }
```

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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