

# Converting Colors

XYZ(36.6387, 45.5804, 7.1831)

Have a look what the booklet for  
XYZ(36.6387, 45.5804, 7.1831)  
contains.

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# Color

**XYZ(36.6340, 45.5743,  
7.1825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3BC0B
RGB	179, 188, 11
RGB Percent	70%, 74%, 4%
CMY	0.2980, 0.2627, 0.9568
CMYK	0.05, 0.00, 0.94, 0.26
HSL	63°, 89%, 39%
HSV	63°, 94%, 74%
XYZ	36.6340, 45.5743, 7.1825
YIQ	165.1310, 51.4530, -56.9550

# Conversions

## Conversions Part 2

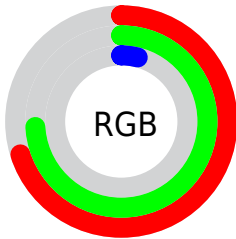
<b>Format</b>	<b>Color</b>
<b>RYB</b>	11, 188, 20
Decimal	11779083
CIELab	73.27, -20.90, 73.10
CIELCh	73, 76.030, 105.958
Yxy	45.5743, 0.4098, 0.5098
Android (android.graphics.Color)	4289969163 (0xFFB3BC0B)
YUV	165.1310, -75.9866, 12.1631
Hunter-Lab	67.5087, -21.2763, 40.9480

# Details

The XYZ color **36.6340, 45.5743, 7.1825** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.4865, 4.0198, 47.8557**, and the grayscale version is **36.1653, 38.0487, 41.4350**.

A 20% lighter version of the original color is **69.2108, 83.5186, 20.8604**, and **16.6900, 21.4655, 3.2636** is the 20% darker color. If you saturate the color by 10%, you get **36.4452, 45.4855, 6.8587**, and if you desaturate by 10%, it is **37.0285, 45.7594, 8.0971**.

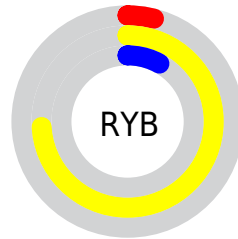
# Distribution



Red (70%)

Green (74%)

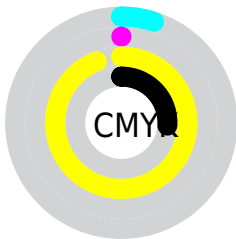
Blue (4%)



Red (4%)

Yellow (74%)

Blue (8%)

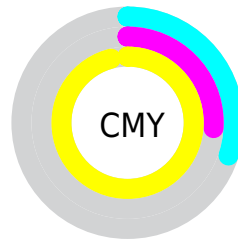


Cyan (5%)

Magenta (0%)

Yellow (94%)

Black (26%)



Cyan (30%)

Magenta (26%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6340, 45.5743, 7.1825 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 36.6340, 45.5743, 7.1825 by changing the saturation by 10% instead.





 36.6340, 45.5743,  
7.1825


 36.6340, 45.5743,  
7.1825


323.1063,  
369.0945, 178.8597

 25.0966, 31.9100,  
3.4963


 69.3270, 83.5815,  
20.8585

 16.2782, 21.2928,  
1.3533


 91.2133, 108.6933,  
31.6854

 9.8133, 13.3382,  
0.1049


 117.2800,  
138.3897, 45.7297

 5.3367, 7.6618,  
0.0000

 147.8924,  
173.0550, 63.4098

 2.4829, 3.8793,  
0.0000

 183.4159,  
213.0738, 85.1443

 0.8866, 1.6063,  
0.0000

 224.2158,

 0.0000, 0.3618,

258.8304, 111.3518

0.0000

270.6575,  
310.7092, 142.4507

■ 0.0000, 0.0000,  
0.0000

■ 36.6340, 45.5743,  
7.1825

■ 36.6340, 45.5743,  
7.1825

■ 36.4452, 45.4855,  
6.8587

■ 37.0285, 45.7594,  
8.0971

■ 37.5662, 46.0003,  
9.7628

■ 38.2706, 46.3081,  
12.2978

■ 39.1600, 46.6900,  
15.7989

■ 40.2503, 47.1525,  
20.3503

■ 41.5558, 47.7012,  
26.0268

■ 43.0895, 48.3414,  
32.8966

■ 44.8633, 49.0778,  
41.0225

■ 46.8882, 49.9148,  
50.4627

# Harmonies

## Analogous

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



49.8508, 45.5743, 7.0085



36.6340, 45.5743, 7.1825



27.3567, 45.5743, 14.0460

# Triad

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



36.6340, 45.5743, 7.1825



27.8060, 45.5743, 123.4774



73.3076, 45.5743, 69.6900

# Complementary

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



36.6340, 45.5743, 7.1825



9.4865, 4.0198, 47.8557

# 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.



64.5207, 45.5743, 120.3125



36.6340, 45.5743, 7.1825



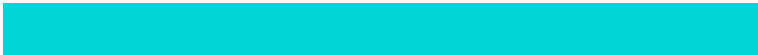
37.3806, 45.5743, 160.6145

# Square

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



36.6340, 45.5743, 7.1825



23.0220, 45.5743, 72.7109



50.7670, 45.5743, 159.2261



72.9926, 45.5743, 32.0261



# Rectangle

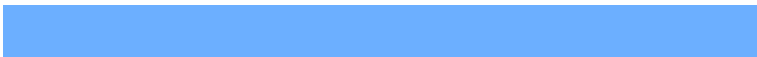
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.6340, 45.5743, 7.1825



23.8440, 45.5743, 25.2874



50.7670, 45.5743, 159.2261



71.2533, 45.5743, 86.0174

# Sweetspot

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



36.6350, 45.5764, 7.1834



76.8361, 87.0844, 53.9665



21.0486, 11.2119, 1.3719



16.2708, 18.6216, 10.4790



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.6350, 45.5764, 7.1834



65.9823, 82.3972, 12.4266



22.3260, 38.1998, 6.5138



10.2730, 11.0951, 10.1768



24.8318, 30.9771, 4.6704



0.9875, 1.2210, 0.1836



# Inverse Universe

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



9.4865, 4.0198, 47.8557



16.6090, 6.6619, 86.6367



15.4259, 7.0817, 48.1337



9.0602, 9.2479, 11.9797



6.2809, 2.5240, 32.5490



0.2616, 0.1069, 1.2757



# Previews

## White Background



This preview shows how the XYZ color 36.6340, 45.5743, 7.1825 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 36.6340, 45.5743, 7.1825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

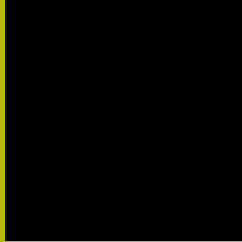
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.6340, 45.5743, 7.1825**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6340, 45.5743, 7.1825.



This preview shows how white text looks on a background with the XYZ color 36.6340, 45.5743,



# 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

36.6340, 45.5743, 7.1825

### Protanopia

40.9499, 45.3390, 6.5930

### Deuteranopia

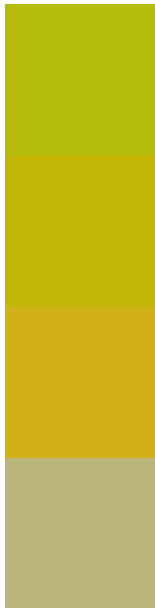
46.3006, 45.1793, 7.5765



## Tritanopia

46.1453, 45.4973, 53.9267

# Trichromacy



## Original Color

36.6340, 45.5743, 7.1825

## Protanomaly

39.2035, 45.3451, 6.8011

## Deuteranomaly

42.4654, 45.2119, 7.3528

## Tritanomaly

40.4529, 44.6625, 25.5574

# Monochromacy



## Original Color

36.6340, 45.5743, 7.1825

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

34.2815, 39.5373, 20.2926

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6340, 45.5743, 7.1825 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(179, 188, 11)` looks like.

```
.text, #text, p{  
    color:rgb(179, 188, 11)  
}
```

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(179, 188, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 188, 11) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6340, 45.5743, 7.1825 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(179, 188, 11) }
```



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

```
.border{ border-color:rgb(179, 188, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 188, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 188, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 188, 11);  
box-shadow:4px 4px 4px 4px rgb(179, 188,  
11) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6340, 45.5743, 7.1825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 188, 11) }
```

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

```
.background{ background-color: rgb(179,  
188, 11) }
```

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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