

Converting Colors

XYZ(45.6740, 56.6321, 10.2749)

Have a look what the booklet for
XYZ(45.6740, 56.6321, 10.2749)
contains.

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Color

**XYZ(45.6727, 56.6295,
10.2737)**

Conversions

Conversions Part 1

Format	Color
Hex	C5CF25
RGB	197, 207, 37
RGB Percent	77%, 81%, 15%
CMY	0.2275, 0.1882, 0.8549
CMYK	0.05, 0.00, 0.82, 0.19
HSL	64°, 70%, 48%
HSV	64°, 82%, 81%
XYZ	45.6727, 56.6295, 10.2737
YIQ	184.6300, 48.6100, -54.9900

Conversions

Conversions Part 2

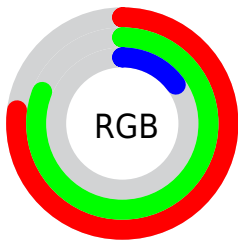
Format	Color
RYB	37, 207, 47
Decimal	12963621
CIELab	79.97, -22.04, 74.42
CIELCh	80, 77.610, 106.496
Yxy	56.6295, 0.4057, 0.5030
Android (android.graphics.Color)	4291153701 (0xFFC5CF25)
YUV	184.6300, -72.7816, 10.8485
Hunter-Lab	75.2526, -23.3558, 44.5824

Details

The XYZ color **45.6727, 56.6295, 10.2737** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **13.0980, 6.4337, 59.5864**, and the grayscale version is **46.2827, 48.6931, 53.0267**.

A 20% lighter version of the original color is **79.3003, 93.7001, 25.9630**, and **22.0387, 28.2714, 4.2954** is the 20% darker color. If you saturate the color by 10%, you get **45.1180, 56.3730, 9.0055**, and if you desaturate by 10%, it is **46.4166, 56.9662, 12.5136**.

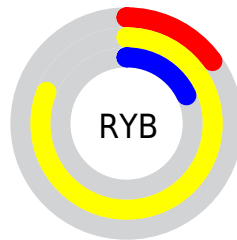
Distribution



Red (77%)

Green (81%)

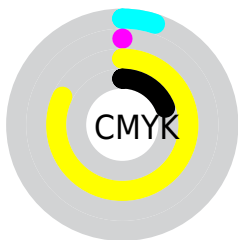
Blue (15%)



Red (15%)

Yellow (81%)

Blue (18%)

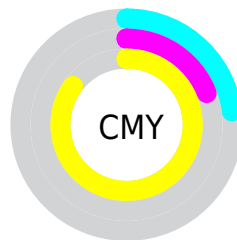


Cyan (5%)

Magenta (0%)

Yellow (82%)

Black (19%)



Cyan (23%)

Magenta (19%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6727, 56.6295, 10.2737 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 45.6727, 56.6295, 10.2737 by changing the saturation by 10% instead.

■ 45.6727, 56.6295,
10.2737

■ 45.6727, 56.6295,
10.2737

360.2293,
412.0595, 203.1698

■ 32.1911, 40.7079,
5.4728

■ 82.9598, 99.9244,
26.9249

■ 21.6638, 28.0909,
2.4637

■ 107.4961,
128.0664, 39.6123

■ 13.7253, 18.3942,
0.8208

■ 136.4480,
161.0507, 55.7656

■ 8.0103, 11.2334,
0.0000

■ 170.1809,
199.2616, 75.8033

■ 4.1534, 6.2240,
0.0000

■ 209.0601,
243.0835, 100.1441

■ 1.7893, 2.9818,
0.0000

■ 253.4510,

■ 0.5112, 1.1222,

292.9009, 129.2064

0.0000

303.7189,
349.0981, 163.4088

■ 0.0000, 0.0000,
0.0000

■ 45.6727, 56.6295,
10.2737

■ 45.6727, 56.6295,
10.2737

■ 45.1180, 56.3730,
9.0055

■ 46.4166, 56.9662,
12.5136

■ 44.7736, 56.2065,
8.4891

■ 47.3732, 57.3861,
15.8650

■ 48.5662, 57.9009,
20.4485

■ 50.0157, 58.5186,
26.3686

■ 51.7392, 59.2462,
33.7182

■ 53.7528, 60.0902,
42.5822

■ 56.0715, 61.0565,
53.0388

■ 58.7091, 62.1506,
65.1609

■ 61.6785, 63.3778,
79.0168

Harmonies

Analogous

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



61.2135, 56.6295, 9.9228



45.6727, 56.6295, 10.2737



34.7056, 56.6295, 19.1418

Triad

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



45.6727, 56.6295, 10.2737



35.5470, 56.6295, 148.4276



88.9825, 56.6295, 84.2205

Complementary

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



45.6727, 56.6295, 10.2737



13.0980, 6.4337, 59.5864

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.



78.9240, 56.6295, 142.7489



45.6727, 56.6295, 10.2737



47.0557, 56.6295, 190.3481

Square

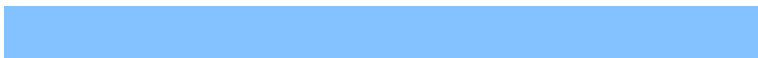
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.6727, 56.6295, 10.2737



29.6888, 56.6295, 89.7222



62.8931, 56.6295, 187.8735



88.4115, 56.6295, 40.1596

Rectangle

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



45.6727, 56.6295, 10.2737



30.5489, 56.6295, 33.1267



62.8931, 56.6295, 187.8735



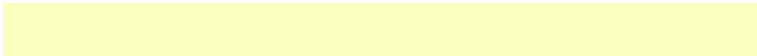
86.6598, 56.6295, 103.1385

Sweetspot

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



45.6740, 56.6321, 10.2749



85.0644, 95.8479, 63.4517



27.0257, 15.3157, 3.2829



17.9616, 20.4124, 12.4996



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.



45.6740, 56.6321, 10.2749



71.7569, 90.0755, 13.6775



29.5238, 48.3064, 9.5190



12.7318, 13.7607, 12.5971



28.2362, 35.4253, 5.3496



1.6001, 1.9918, 0.3001

Inverse Universe

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



13.0980, 6.4337, 59.5864



18.3162, 7.3983, 95.0704



21.2089, 10.6150, 59.9660



11.2272, 11.4504, 14.8621



7.2199, 2.9023, 37.3722



0.4268, 0.1742, 2.0907

Previews

White Background



This preview shows how the XYZ color 45.6727, 56.6295, 10.2737 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 45.6727, 56.6295, 10.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

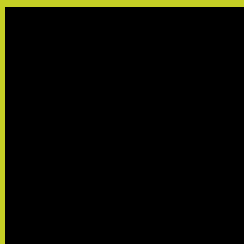
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6727, 56.6295, 10.2737

Background



This preview shows how black text looks on a background with the XYZ color 45.6727, 56.6295, 10.2737.



This preview shows how white text looks on a background with the XYZ color 45.6727, 56.6295,

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

45.6727, 56.6295, 10.2737

Protanopia

51.1582, 56.6562, 9.8295

Deuteranopia

57.5836, 56.3196, 10.6321



Tritanopia

57.3191, 56.5429, 67.5673

Trichromacy



Original Color

45.6727, 56.6295, 10.2737

Protanomaly

49.1705, 56.6646, 10.0149

Deuteranomaly

52.6029, 56.0351, 10.4263

Tritanomaly

50.8360, 55.5853, 35.2438

Monochromacy



Original Color

45.6727, 56.6295, 10.2737

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.1530, 50.5974, 28.9119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6727, 56.6295, 10.2737 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(197, 207, 37)` looks like.

```
.text, #text, p{  
    color:rgb(197, 207, 37)  
}
```

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(197, 207, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 207, 37) }
```

Border

The CSS property to change the border of an element to XYZ 45.6727, 56.6295, 10.2737 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(197, 207, 37) }
```


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

```
.border{ border-color:rgb(197, 207, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 207, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 207, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 207, 37);  
box-shadow:4px 4px 4px 4px rgb(197, 207,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6727, 56.6295, 10.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 207, 37) }
```

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

```
.background{ background-color: rgb(197,  
207, 37) }
```

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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