

Converting Colors

XYZ(56.5635, 66.6468, 17.6194)

Have a look what the booklet for
XYZ(56.5635, 66.6468, 17.6194)
contains.

XYZ(56.6355, 66.6293, 17.6603)	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(56.6355, 66.6293,
17.6603)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDB51
RGB	221, 219, 81
RGB Percent	87%, 86%, 32%
CMY	0.1333, 0.1412, 0.6823
CMYK	0.00, 0.01, 0.63, 0.13
HSL	59°, 67%, 59%
HSV	59°, 63%, 87%
XYZ	56.6355, 66.6293, 17.6603
YIQ	203.8660, 45.4900, -42.4940

Conversions

Conversions Part 2

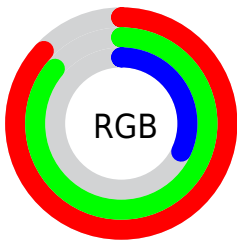
Format	Color
R_{YB}	83, 221, 81
Decimal	14539601
CIE _{Lab}	85.32, -15.96, 65.61
CIE _{LCh}	85, 67.526, 103.674
Yxy	66.6293, 0.4019, 0.4728
Android (android.graphics.Color)	4292729681 (0xFFDDDB51)
YUV	203.8660, -60.5729, 15.0265
Hunter-Lab	81.6268, -18.9973, 44.3111

Details

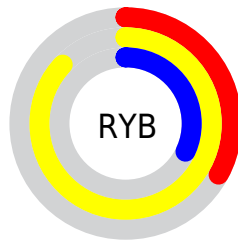
The XYZ color **56.6355, 66.6293, 17.6603** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **19.5378, 13.1561, 69.9158**, and the grayscale version is **57.6619, 60.6648, 66.0640**.

A 20% lighter version of the original color is **81.4439, 94.5576, 37.2514**, and **28.4732, 34.3749, 5.6245** is the 20% darker color. If you saturate the color by 10%, you get **55.8566, 66.1890, 13.9565**, and if you desaturate by 10%, it is **57.6873, 67.1840, 22.7868**.

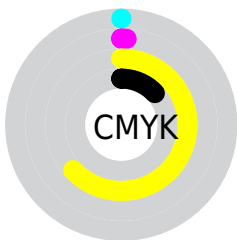
Distribution



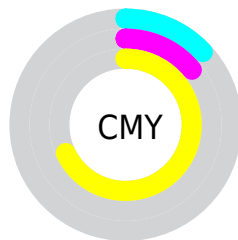
- Red (87%)
- Green (86%)
- Blue (32%)



- Red (33%)
- Yellow (87%)
- Blue (32%)



- Cyan (0%)
- Magenta (1%)
- Yellow (63%)
- Black (13%)



- Cyan (13%)
- Magenta (14%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6355, 66.6293, 17.6603 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 56.6355, 66.6293, 17.6603 by changing the saturation by 10% instead.

■ 56.6355, 66.6293,
17.6603

■ 56.6355, 66.6293,
17.6603

402.1184,
448.6241, 251.1208

■ 40.9517, 48.7834,
10.5395

■ 99.0676, 114.3891,
40.2637

■ 28.4688, 34.4477,
5.6478

■ 126.5465,
145.0718, 56.5834

■ 18.8216, 23.2378,
2.5668

■ 158.6879,
180.8022, 76.8064

■ 11.6447, 14.7692,
0.8753

■ 195.8570,
221.9648, 101.3513

■ 6.5727, 8.6575,
0.0000

238.4193,
268.9438, 130.6367

■ 3.2403, 4.5185,
0.0000

286.7400,

■ 1.2821, 1.9676,

322.1238, 165.0810

0.0000

341.1846,
381.8891, 205.1029

■ 0.1697, 0.5886,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6355, 66.6293,
17.6603

■ 56.6355, 66.6293,
17.6603

■ 55.8566, 66.1890,
13.9565

■ 57.6873, 67.1840,
22.7868

■ 55.3187, 65.8428,
11.5275

■ 59.0309, 67.8532,
29.4562

■ 54.9902, 65.5807,
10.2010

■ 60.6890, 68.6484,
37.7808

■ 54.8518, 65.4385,
9.7399

■ 62.6807, 69.5773,
47.8614

■ 65.0237, 70.6469,
59.7906

■ 67.7341, 71.8638,
73.6545

■ 70.8275, 73.2341,
89.5340

■ 73.8634, 74.5817,
105.1104

■ 73.9469, 74.7486,
105.1382

Harmonies

Analogous

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



71.9514, 66.6293, 18.0563



56.6355, 66.6293, 17.6603



45.1320, 66.6293, 27.1240

Triad

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



56.6355, 66.6293, 17.6603



44.3690, 66.6293, 147.5348



95.9118, 66.6293, 98.8618

Complementary

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



56.6355, 66.6293, 17.6603



19.5378, 13.1561, 69.9158

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.



85.8585, 66.6293, 152.0001



56.6355, 66.6293, 17.6603



55.4248, 66.6293, 186.9453

Square

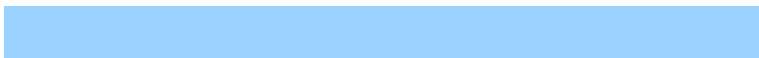
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.6355, 66.6293, 17.6603



38.8587, 66.6293, 94.3089



70.5305, 66.6293, 188.8466



96.3768, 66.6293, 54.4218

Rectangle

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



56.6355, 66.6293, 17.6603



40.4796, 66.6293, 41.2672



70.5305, 66.6293, 188.8466



93.4767, 66.6293, 116.6219

Sweetspot

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



56.6371, 66.6324, 17.6617



87.9879, 96.8237, 72.7948



34.3357, 21.8873, 10.6671



18.6400, 20.6357, 14.5993



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.



56.6371, 66.6324, 17.6617



76.9737, 91.3711, 18.0226



40.5418, 59.1116, 17.0583



14.1455, 15.2304, 13.9198



31.8721, 38.0297, 5.6606



2.0700, 2.4742, 0.3685

Inverse Universe

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



19.5378, 13.1561, 69.9158



21.8179, 11.8807, 95.7510



28.3278, 17.4643, 70.2841



12.3535, 12.6467, 16.4421



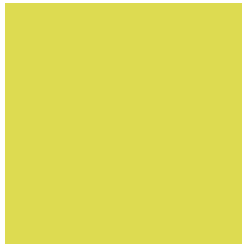
7.6084, 3.0862, 39.9331



0.4983, 0.2107, 2.5888

Previews

White Background



This preview shows how the XYZ color 56.6355, 66.6293, 17.6603 looks on a white background.

Color Contrast Check

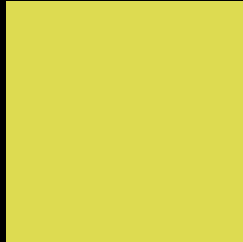
Large Text (above 18pt) WCAG AA × Fail

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 56.6355, 66.6293, 17.6603 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 56.6355, 66.6293, 17.6603

Background



This preview shows how black text looks on a background with the XYZ color 56.6355, 66.6293, 17.6603.



This preview shows how white text looks on a background with the XYZ color 56.6355, 66.6293,

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

56.6355, 66.6293, 17.6603

Protanopia

60.4654, 66.3302, 17.0133

Deuteranopia

66.9021, 66.4549, 29.3796



Tritanopia

68.8142, 66.3755, 77.5915

Trichromacy



Original Color

56.6355, 66.6293, 17.6603

Protanomaly

59.0271, 66.3359, 17.2825

Deuteranomaly

62.8232, 66.2737, 24.2328

Tritanomaly

62.6154, 65.6535, 47.4024

Monochromacy



Original Color

56.6355, 66.6293, 17.6603

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

55.6368, 61.8058, 41.7982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6355, 66.6293, 17.6603 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(221, 219, 81)` looks like.

```
.text, #text, p{  
    color:rgb(221, 219, 81)  
}
```

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(221, 219, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 219, 81) }
```

Border

The CSS property to change the border of an element to XYZ 56.6355, 66.6293, 17.6603 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(221, 219, 81) }
```


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

```
.border{ border-color:rgb(221, 219, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 219, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 219, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 219, 81);  
box-shadow:4px 4px 4px 4px rgb(221, 219,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6355, 66.6293, 17.6603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 219, 81) }
```

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

```
.background{ background-color: rgb(221,  
219, 81) }
```

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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