

Converting Colors

XYZ(50.9894, 65.9800, 17.2691)

Have a look what the booklet for
XYZ(50.9894, 65.9800, 17.2691)
contains.

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Color

**XYZ(51.0653, 66.1362,
17.2819)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E14E
RGB	196, 225, 78
RGB Percent	77%, 88%, 31%
CMY	0.2314, 0.1176, 0.6941
CMYK	0.13, 0.00, 0.65, 0.12
HSL	72°, 71%, 59%
HSV	72°, 65%, 88%
XYZ	51.0653, 66.1362, 17.2819
YIQ	199.5710, 29.9030, -51.8650

Conversions

Conversions Part 2

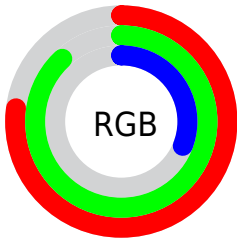
Format	Color
RYB	78, 225, 107
Decimal	12902734
CIELab	85.07, -29.15, 65.97
CIELCh	85, 72.121, 113.844
Yxy	66.1362, 0.3797, 0.4918
Android (android.graphics.Color)	4291092814 (0xFFC4E14E)
YUV	199.5710, -59.9345, -3.1318
Hunter-Lab	81.3242, -30.2331, 44.3274

Details

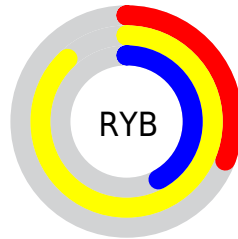
The XYZ color **51.0653, 66.1362, 17.2819** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted yellow. A complement of this color would be **22.3808, 14.0125, 72.7631**, and the grayscale version is **54.9813, 57.8446, 62.9928**.

A 20% lighter version of the original color is **81.3031, 94.5012, 36.5097**, and **25.0605, 34.2538, 5.4918** is the 20% darker color. If you saturate the color by 10%, you get **49.2554, 65.2831, 13.6830**, and if you desaturate by 10%, it is **53.1884, 67.1232, 22.3380**.

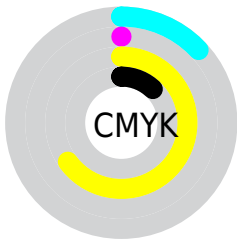
Distribution



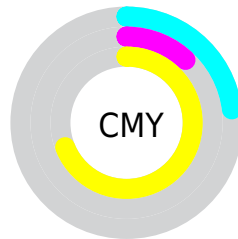
- Red (77%)
- Green (88%)
- Blue (31%)



- Red (31%)
- Yellow (88%)
- Blue (42%)



- Cyan (13%)
- Magenta (0%)
- Yellow (65%)
- Black (12%)




- Cyan (23%)
- Magenta (12%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0653, 66.1362, 17.2819 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 51.0653, 66.1362, 17.2819 by changing the saturation by 10% instead.


 51.0653, 66.1362,
17.2819


 51.0653, 66.1362,
17.2819


381.2009,
446.8638, 248.8904

 36.4818, 48.3830,
10.2716


 90.9337, 113.6818,
39.6071


 24.9784, 34.1303,
5.4715


 116.9494,
144.2430, 55.7591


 16.1896, 22.9937,
2.4629

 147.5064,
179.8422, 75.7954

 9.7501, 14.5889,
0.8204

 182.9703,
220.8640, 100.1345

 5.2946, 8.5313,
0.0000

 223.7064,
267.6926, 129.1951

 2.4576, 4.4368,
0.0000

270.0799,

 0.8739, 1.9208,

320.7125, 163.3955

0.0000

322.4563,
380.3081, 203.1545

■ 0.0000, 0.5608,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.0653, 66.1362,
17.2819

■ 51.0653, 66.1362,
17.2819

■ 49.2554, 65.2831,
13.6830

■ 53.1884, 67.1232,
22.3380

■ 47.7242, 64.5431,
11.3819


■ 55.6457, 68.2455,
28.9807


■ 46.4367, 63.9045,
10.1891


■ 58.4615, 69.5152,
37.3298


■ 45.8909, 63.6298,
9.8631


■ 61.6564, 70.9406,
47.4925

 65.2493, 72.5293,
59.5672

 69.2580, 74.2884,
73.6451

 73.6988, 76.2245,
89.8116

 78.0990, 78.1485,
105.5757

 79.5546, 78.8989,
105.6438

Harmonies

Analogous

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



66.2681, 66.1362, 14.6769



51.0653, 66.1362, 17.2819



40.8719, 66.1362, 31.0915

Triad

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



51.0653, 66.1362, 17.2819



46.1814, 66.1362, 171.0185



99.2908, 66.1362, 82.0309

Complementary

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



51.0653, 66.1362, 17.2819



22.3808, 14.0125, 72.7631

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.



91.5883, 66.1362, 138.6937



51.0653, 66.1362, 17.2819



59.5717, 66.1362, 202.5089

Square

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



51.0653, 66.1362, 17.2819



38.4104, 66.1362, 114.5417



76.3450, 66.1362, 188.6595



95.9588, 66.1362, 41.5759

Rectangle

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



51.0653, 66.1362, 17.2819



37.3885, 66.1362, 49.8869



76.3450, 66.1362, 188.6595



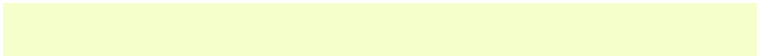
97.8696, 66.1362, 99.8657

Sweetspot

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



51.0668, 66.1392, 17.2833



84.2932, 95.2807, 71.0750



37.4753, 26.6525, 10.3779



17.7572, 20.2678, 14.2610



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.



51.0668, 66.1392, 17.2833



64.7224, 86.3679, 17.0137



36.6946, 58.7300, 16.6107



14.5929, 15.8858, 14.6039



26.5395, 36.7141, 5.6878



1.9080, 2.5801, 0.3974

Inverse Universe

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



22.3808, 14.0125, 72.7631



24.2244, 12.5095, 95.7456



34.7808, 20.4049, 73.3434



13.2033, 13.3728, 17.2730



8.5151, 3.4850, 41.2722



0.6625, 0.2788, 2.8641

Previews

White Background



This preview shows how the XYZ color 51.0653, 66.1362, 17.2819 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 51.0653, 66.1362, 17.2819 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 51.0653, 66.1362, 17.2819

Background



This preview shows how black text looks on a background with the XYZ color 51.0653, 66.1362, 17.2819.



This preview shows how white text looks on a background with the XYZ color 51.0653, 66.1362, 17.2819.

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

51.0653, 66.1362, 17.2819

Protanopia

59.7385, 65.5995, 16.1700

Deuteranopia

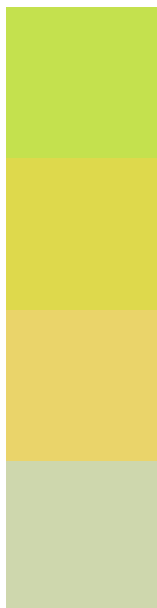
66.3457, 65.8509, 27.6260



Tritanopia

64.0631, 65.6363, 81.9656

Trichromacy



Original Color

51.0653, 66.1362, 17.2819

Protanomaly

56.2416, 65.6771, 16.5502

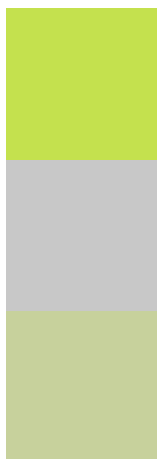
Deuteranomaly

60.0767, 65.6200, 23.1352

Tritanomaly

57.2969, 64.7398, 49.0113

Monochromacy



Original Color

51.0653, 66.1362, 17.2819

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.3544, 60.1433, 40.3019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0653, 66.1362, 17.2819 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(196, 225, 78)` looks like.

```
.text, #text, p{  
    color:rgb(196, 225, 78)  
}
```

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(196, 225, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 225, 78) }
```

Border

The CSS property to change the border of an element to XYZ 51.0653, 66.1362, 17.2819 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(196, 225, 78) }
```


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

```
.border{ border-color:rgb(196, 225, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 225, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 225, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 225, 78);  
box-shadow:4px 4px 4px 4px rgb(196, 225,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0653, 66.1362, 17.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 225, 78) }
```

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

```
.background{ background-color: rgb(196,  
225, 78) }
```

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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