

Converting Colors

XYZ(51.3058, 61.7452, 9.6416)

Have a look what the booklet for
XYZ(51.3058, 61.7452, 9.6416)
contains.

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Color

**XYZ(51.3141, 61.7663,
9.6330)**

Conversions

Conversions Part 1

Format	Color
Hex	D5D50E
RGB	213, 213, 14
RGB Percent	84%, 84%, 5%
CMY	0.1647, 0.1647, 0.9450
CMYK	0.00, 0.00, 0.93, 0.16
HSL	60°, 88%, 45%
HSV	60°, 93%, 84%
XYZ	51.3141, 61.7663, 9.6330
YIQ	190.3140, 63.8790, -61.8890

Conversions

Conversions Part 2

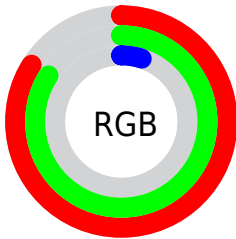
Format	Color
RYB	14, 213, 14
Decimal	14013710
CIELab	82.79, -18.68, 81.21
CIELCh	83, 83.329, 102.955
Yxy	61.7663, 0.4182, 0.5033
Android (android.graphics.Color)	4292203790 (0xFFD5D50E)
YUV	190.3140, -86.9228, 19.8956
Hunter-Lab	78.5915, -20.9887, 47.7469

Details

The XYZ color **51.3141, 61.7663, 9.6330** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **12.3498, 5.2126, 63.3098**, and the grayscale version is **49.5876, 52.1701, 56.8132**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **25.7246, 31.6663, 4.7564** is the 20% darker color. If you saturate the color by 10%, you get **51.2360, 61.7374, 9.2161**, and if you desaturate by 10%, it is **51.5445, 61.8608, 10.8389**.

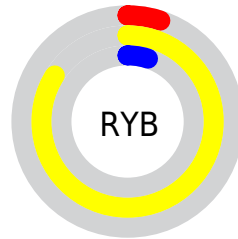
Distribution



Red (84%)

Green (84%)

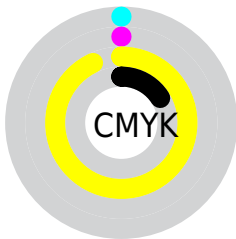
Blue (5%)



Red (5%)

Yellow (84%)

Blue (5%)

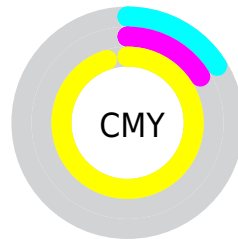


Cyan (0%)

Magenta (0%)

Yellow (93%)

Black (16%)



Cyan (16%)


Magenta (16%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3141, 61.7663, 9.6330 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 51.3141, 61.7663, 9.6330 by changing the saturation by 10% instead.


 51.3141, 61.7663,
9.6330


 51.3141, 61.7663,
9.6330


382.1505,
431.0781, 198.4210


 36.6807, 44.8439,
5.0539


 91.2991, 107.3877,
25.6998


 25.1329, 31.3345,
2.2196


 117.3815,
136.8555, 38.0246


 16.3054, 20.8537,
0.6857


 148.0108,
171.2738, 53.7684

 9.8327, 13.0171,
0.0000

 183.5526,
211.0272, 73.3497

 5.3496, 7.4403,
0.0000

 224.3721,
256.4999, 97.1871

 2.4907, 3.7390,
0.0000

 270.8346,

 0.8905, 1.5286,

308.0763, 125.6991

0.0000

323.3057,
366.1409, 159.3042

■ 0.0000, 0.3088,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.3141, 61.7663,
9.6330

■ 51.3141, 61.7663,
9.6330

■ 51.2360, 61.7374,
9.2161

■ 51.5445, 61.8608,
10.8389

■ 51.9656, 62.0293,
13.0557

■ 52.6091, 62.2867,
16.4430

■ 53.4997, 62.6430,
21.1321

■ 54.6592, 63.1068,
27.2366

■ 56.1066, 63.6858,
34.8578

■ 57.8596, 64.3870,
44.0877

■ 59.9341, 65.2168,
55.0111

■ 62.3452, 66.1813,
67.7069

Harmonies

Analogous

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



69.4001, 61.7663, 10.1407



51.3141, 61.7663, 9.6330



38.2137, 61.7663, 17.7905

Triad

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



51.3141, 61.7663, 9.6330



36.9224, 61.7663, 159.4307



98.2087, 61.7663, 100.5332

Complementary

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



51.3141, 61.7663, 9.6330



12.3498, 5.2126, 63.3098

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.



85.4641, 61.7663, 168.4503



51.3141, 61.7663, 9.6330



49.1729, 61.7663, 212.6495

Square

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



51.3141, 61.7663, 9.6330



31.1171, 61.7663, 91.8984



66.7779, 61.7663, 216.6009



99.1085, 61.7663, 47.4620

Rectangle

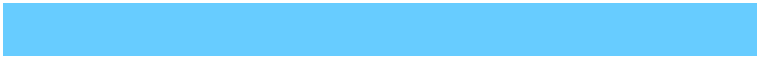
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.3141, 61.7663, 9.6330



33.0495, 61.7663, 31.6156



66.7779, 61.7663, 216.6009



95.0653, 61.7663, 122.8576

Sweetspot

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



51.3155, 61.7692, 9.6343



85.6090, 96.2235, 59.1888



27.6790, 14.4934, 1.7549



18.0871, 20.5011, 11.4222



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.



51.3155, 61.7692, 9.6343



76.9970, 92.7785, 13.8499



30.7514, 51.1680, 8.6719



13.4728, 14.5200, 13.2532



31.2953, 37.7097, 5.6293



1.8876, 2.2745, 0.3395

Inverse Universe

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



12.3498, 5.2126, 63.3098



18.0501, 7.2201, 95.0500



19.0446, 8.6639, 63.6231



11.7427, 12.0088, 15.6365



7.3365, 2.9346, 38.6329



0.4425, 0.1770, 2.3302

Previews

White Background



This preview shows how the XYZ color 51.3141, 61.7663, 9.6330 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 51.3141, 61.7663, 9.6330 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 51.3141, 61.7663, 9.6330

Background



This preview shows how black text looks on a background with the XYZ color 51.3141, 61.7663, 9.6330.



This preview shows how white text looks on a background with the XYZ color 51.3141, 61.7663,

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

51.3141, 61.7663, 9.6330

Protanopia

55.3993, 61.3181, 9.1742

Deuteranopia

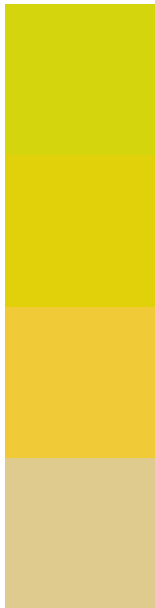
62.3551, 61.2899, 15.7514



Tritanopia

63.8829, 61.5232, 71.4590

Trichromacy



Original Color

51.3141, 61.7663, 9.6330

Protanomaly

53.9122, 61.6326, 9.3714

Deuteranomaly

57.7453, 61.0422, 12.3532

Tritanomaly

56.2879, 60.1646, 33.8455

Monochromacy



Original Color

51.3141, 61.7663, 9.6330

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.2487, 53.9003, 27.6522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3141, 61.7663, 9.6330 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(213, 213, 14)` looks like.

```
.text, #text, p{  
    color:rgb(213, 213, 14)  
}
```

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(213, 213, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 213, 14) }
```

Border

The CSS property to change the border of an element to XYZ 51.3141, 61.7663, 9.6330 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(213, 213, 14) }
```


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

```
.border{ border-color:rgb(213, 213, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 213, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 213, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 213, 14);  
box-shadow:4px 4px 4px 4px rgb(213, 213,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3141, 61.7663, 9.6330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 213, 14) }
```

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

```
.background{ background-color: rgb(213,  
213, 14) }
```

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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