

Converting Colors

XYZ(46.7286, 51.7042, 9.4365)

Have a look what the booklet for
XYZ(46.7286, 51.7042, 9.4365)
contains.

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Color

**XYZ(46.7286, 51.7042,
9.4365)**

Conversions

Conversions Part 1

Format	Color
Hex	D6BF27
RGB	214, 191, 39
RGB Percent	84%, 75%, 15%
CMY	0.1608, 0.2510, 0.8470
CMYK	0.00, 0.11, 0.82, 0.16
HSL	52°, 69%, 50%
HSV	52°, 82%, 84%
XYZ	46.7286, 51.7042, 9.4365
YIQ	180.5490, 62.5000, -42.3960

Conversions

Conversions Part 2

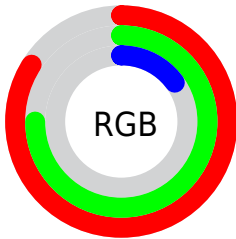
Format	Color
RYB	65, 214, 39
Decimal	14073639
CIELab	77.10, -6.68, 72.02
CIElCh	77, 72.325, 95.302
Yxy	51.7042, 0.4332, 0.4793
Android (android.graphics.Color)	4292263719 (0xFFD6BF27)
YUV	180.5490, -69.7837, 29.3365
Hunter-Lab	71.9056, -9.8348, 42.5530

Details

The XYZ color **46.7286, 51.7042, 9.4365** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **14.6972, 8.7318, 64.5288**, and the grayscale version is **44.0199, 46.3124, 50.4342**.

A 20% lighter version of the original color is **76.7529, 88.6824, 24.8765**, and **22.6060, 25.1455, 3.6621** is the 20% darker color. If you saturate the color by 10%, you get **45.8620, 50.3877, 7.8642**, and if you desaturate by 10%, it is **47.8090, 53.1291, 12.0667**.

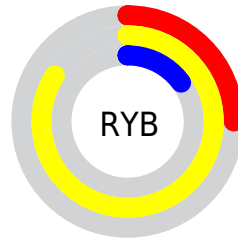
Distribution



Red (84%)

Green (75%)

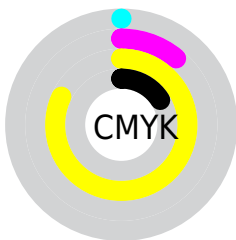
Blue (15%)



Red (25%)

Yellow (84%)

Blue (15%)

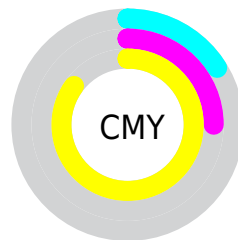


Cyan (0%)

Magenta (11%)

Yellow (82%)

Black (16%)



Cyan (16%)


Magenta (25%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7286, 51.7042, 9.4365 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 46.7286, 51.7042, 9.4365 by changing the saturation by 10% instead.


 46.7286, 51.7042,
9.4365


 46.7286, 51.7042,
9.4365


364.3972,
393.2936, 196.9380


 33.0282, 36.7694,
4.9263


 84.5296, 92.6949,
25.3211


 22.3074, 25.0290,
2.1461


 109.3609,
119.5194, 37.5326


 14.2008, 16.0986,
0.6430


 138.6332,
151.0761, 53.1482

 8.3431, 9.5940,
0.0000

 172.7118,
187.7491, 72.5866

 4.3689, 5.1306,
0.0000

 211.9622,
229.9230, 96.2662

 1.9129, 2.3241,
0.0000

 256.7496,

 0.5843, 0.7864,

277.9821, 124.6056

0.0000

307.4395,
332.3109, 158.0234

■ 0.0000, 0.0000,
0.0000

■ 46.7286, 51.7042,
9.4365

■ 46.7286, 51.7042,
9.4365

■ 45.8620, 50.3877,
7.8642

■ 47.8090, 53.1291,
12.0667

■ 45.2651, 49.3634,
7.1424

■ 49.1293, 54.6668,
15.9065

■ 50.7151, 56.3298,
21.0863

■ 52.5880, 58.1268,
27.7185

■ 54.7672, 60.0655,
35.9042

■ 57.2701, 62.1531,
45.7350

■ 60.1129, 64.3960,
57.2956

■ 63.3105, 66.8005,
70.6648

■ 66.8772, 69.3722,
85.9167

Harmonies

Analogous

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



61.1022, 51.7042, 11.6008



46.7286, 51.7042, 9.4365



35.3322, 51.7042, 14.2311

Triad

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



46.7286, 51.7042, 9.4365



30.4919, 51.7042, 112.7156



77.4515, 51.7042, 94.4535

Complementary

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



46.7286, 51.7042, 9.4365



14.6972, 8.7318, 64.5288

Split Complementary

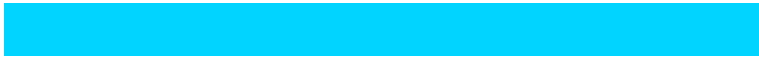
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.1527, 51.7042, 144.0345



46.7286, 51.7042, 9.4365



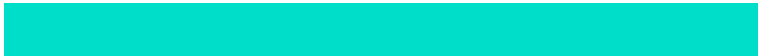
38.8564, 51.7042, 157.5932

Square

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



46.7286, 51.7042, 9.4365



27.1503, 51.7042, 63.6259



51.6398, 51.7042, 171.1433



80.6317, 51.7042, 49.5538

Rectangle

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



46.7286, 51.7042, 9.4365



30.3750, 51.7042, 23.1400



51.6398, 51.7042, 171.1433



74.3853, 51.7042, 111.6741

Sweetspot

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



46.7298, 51.7067, 9.4375



83.8172, 91.3240, 62.6442



29.3360, 16.0991, 6.1677



17.6586, 19.3117, 12.3032



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.



46.7298, 51.7067, 9.4375



67.4326, 73.6006, 10.7987



36.9602, 54.7079, 10.5317



13.3272, 14.2286, 13.2047



27.4148, 29.9468, 4.3354



1.6931, 1.8854, 0.2747

Inverse Universe

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



14.6972, 8.7318, 64.5288



18.8049, 8.6351, 95.2834



18.4764, 9.2002, 64.4200



11.8729, 12.2691, 15.6799



7.6320, 3.5257, 38.7314



0.5043, 0.3007, 2.3508

Previews

White Background



This preview shows how the XYZ color 46.7286, 51.7042, 9.4365 looks on a white background.

Color Contrast Check

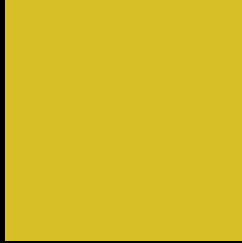
Large Text (above 18pt) WCAG AA × Fail

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 46.7286, 51.7042, 9.4365 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 46.7286, 51.7042, 9.4365

Background



This preview shows how black text looks on a background with the XYZ color 46.7286, 51.7042, 9.4365.



This preview shows how white text looks on a background with the XYZ color 46.7286, 51.7042,

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

46.7286, 51.7042, 9.4365

Protanopia

46.7286, 51.7042, 9.4365

Deuteranopia

52.9327, 51.7625, 9.6839



Tritanopia

56.4862, 51.6541, 56.8623

Trichromacy



Original Color

46.7286, 51.7042, 9.4365

Protanomaly

46.7286, 51.7042, 9.4365

Deuteranomaly

50.7400, 51.8613, 9.6214

Tritanomaly

51.1962, 51.0167, 30.4414

Monochromacy



Original Color

46.7286, 51.7042, 9.4365

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.3037, 47.6204, 27.6782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7286, 51.7042, 9.4365 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(214, 191, 39)` looks like.

```
.text, #text, p{  
    color:rgb(214, 191, 39)  
}
```

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(214, 191, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 191, 39) }
```

Border

The CSS property to change the border of an element to XYZ 46.7286, 51.7042, 9.4365 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(214, 191, 39) }
```


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

```
.border{ border-color:rgb(214, 191, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 191, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 191, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 191, 39);  
box-shadow:4px 4px 4px 4px rgb(214, 191,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7286, 51.7042, 9.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 191, 39) }
```

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

```
.background{ background-color: rgb(214,  
191, 39) }
```

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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