

Converting Colors

XYZ(46.1725, 51.1004, 9.0989)

Have a look what the booklet for
XYZ(46.1725, 51.1004, 9.0989)
contains.

XYZ(46.1725, 51.1004, 9.0989)	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(46.1725, 51.1004,
9.0989)**

Conversions

Conversions Part 1

Format	Color
Hex	D5BE24
RGB	213, 190, 36
RGB Percent	84%, 75%, 14%
CMY	0.1647, 0.2549, 0.8588
CMYK	0.00, 0.11, 0.83, 0.16
HSL	52°, 71%, 49%
HSV	52°, 83%, 84%
XYZ	46.1725, 51.1004, 9.0989
YIQ	179.3210, 63.1420, -43.0180

Conversions

Conversions Part 2

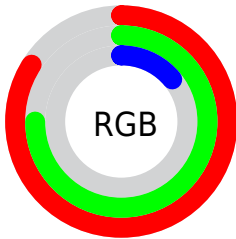
Format	Color
RYB	62, 213, 36
Decimal	14007844
CIELab	76.74, -6.69, 72.46
CIELCh	77, 72.765, 95.273
Yxy	51.1004, 0.4341, 0.4804
Android (android.graphics.Color)	4292197924 (0xFFD5BE24)
YUV	179.3210, -70.6573, 29.5365
Hunter-Lab	71.4845, -9.8032, 42.4925

Details

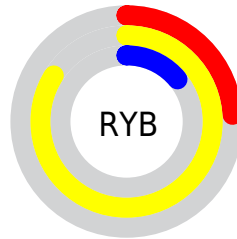
The XYZ color **46.1725, 51.1004, 9.0989** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **14.3021, 8.3074, 63.8001**, and the grayscale version is **43.3626, 45.6208, 49.6811**.

A 20% lighter version of the original color is **76.3534, 88.0346, 24.2774**, and **22.2721, 24.7613, 3.6056** is the 20% darker color. If you saturate the color by 10%, you get **45.3455, 49.8216, 7.6677**, and if you desaturate by 10%, it is **47.2064, 52.4841, 11.5537**.

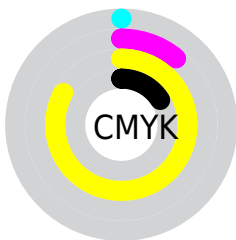
Distribution



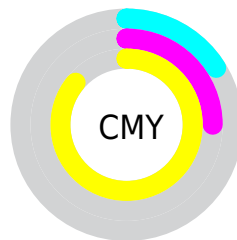
- Red (84%)
- Green (75%)
- Blue (14%)



- Red (24%)
- Yellow (84%)
- Blue (14%)



- Cyan (0%)
- Magenta (11%)
- Yellow (83%)
- Black (16%)





- Cyan (16%)
- Magenta (25%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1725, 51.1004, 9.0989 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 46.1725, 51.1004, 9.0989 by changing the saturation by 10% instead.


 46.1725, 51.1004,
9.0989


 46.1725, 51.1004,
9.0989


362.2060,
390.9537, 194.3591

 32.5872, 36.2885,
4.7081


 83.7034, 91.8032,
24.6670


 21.9681, 24.6571,
2.0213


 108.3796,
118.4628, 36.6813

 13.9499, 15.8218,
0.5683


 137.4836,
149.8406, 52.0739

 8.1673, 9.3981,
0.0000

 171.3806,
186.3207, 71.2632

 4.2549, 5.0018,
0.0000

 210.4360,
228.2877, 94.6679

 1.8473, 2.2483,
0.0000

 255.0151,

 0.5459, 0.7461,

276.1260, 122.7064

0.0000

305.4833,
330.2198, 155.7973

■ 0.0000, 0.0000,
0.0000

■ 46.1725, 51.1004,
9.0989

■ 46.1725, 51.1004,
9.0989

■ 45.3455, 49.8216,
7.6677

■ 47.2064, 52.4841,
11.5537

■ 44.8580, 48.9813,
7.0901

■ 48.4738, 53.9775,
15.1864

■ 50.0006, 55.5931,
20.1284

■ 51.8083, 57.3396,
26.4931

■ 53.9163, 59.2248,
34.3813

■ 56.3420, 61.2557,
43.8849

■ 59.1015, 63.4390,
55.0884

■ 62.2098, 65.7807,
68.0705

■ 65.6810, 68.2864,
82.9049

Harmonies

Analogous

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



60.5303, 51.1004, 11.2337



46.1725, 51.1004, 9.0989



34.8066, 51.1004, 13.8115

Triad

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



46.1725, 51.1004, 9.0989



29.9741, 51.1004, 112.0419



76.8636, 51.1004, 93.8461

Complementary

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



46.1725, 51.1004, 9.0989



14.3021, 8.3074, 63.8001

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.



65.5523, 51.1004, 143.5488



46.1725, 51.1004, 9.0989



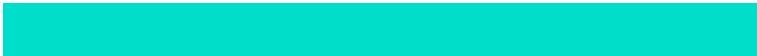
38.2981, 51.1004, 157.0845

Square

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



46.1725, 51.1004, 9.0989



26.6564, 51.1004, 62.9163



51.0478, 51.1004, 170.7323



80.0570, 51.1004, 48.9469

Rectangle

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



46.1725, 51.1004, 9.0989



29.8692, 51.1004, 22.6158



51.0478, 51.1004, 170.7323



73.7921, 51.1004, 111.0997

Sweetspot

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



46.1737, 51.1028, 9.0999



83.8461, 91.3817, 62.6539



28.8768, 15.7304, 5.7350



17.6656, 19.3258, 12.3055



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.



46.1737, 51.1028, 9.0999



67.3272, 73.4345, 10.6257



36.3440, 54.0211, 10.1813



13.3288, 14.2318, 13.2052



27.4547, 30.0267, 4.3487



1.6951, 1.8895, 0.2754

Inverse Universe

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



14.3021, 8.3074, 63.8001



18.5974, 8.3148, 95.2325



17.9975, 8.8275, 63.7057



11.8714, 12.2662, 15.6794



7.6271, 3.5159, 38.7298



0.5036, 0.2993, 2.3505

Previews

White Background



This preview shows how the XYZ color 46.1725, 51.1004, 9.0989 looks on a white background.

Color Contrast Check

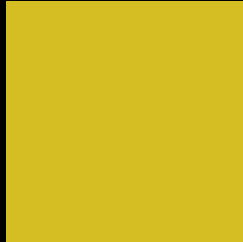
Large Text (above 18pt) WCAG AA × Fail

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 46.1725, 51.1004, 9.0989 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 46.1725, 51.1004, 9.0989

Background



This preview shows how black text looks on a background with the XYZ color 46.1725, 51.1004, 9.0989.



This preview shows how white text looks on a background with the XYZ color 46.1725, 51.1004,

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

46.1725, 51.1004, 9.0989

Protanopia

46.1725, 51.1004, 9.0989

Deuteranopia

52.3358, 51.1604, 9.3070



Tritanopia

55.8666, 51.0532, 56.2000

Trichromacy



Original Color

46.1725, 51.1004, 9.0989

Protanomaly

46.1725, 51.1004, 9.0989

Deuteranomaly

50.1566, 51.2572, 9.2576

Tritanomaly

50.6163, 50.4208, 29.9861

Monochromacy



Original Color

46.1725, 51.1004, 9.0989

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.2501, 46.4756, 26.8226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1725, 51.1004, 9.0989 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, 190, 36)` looks like.

```
.text, #text, p{  
    color:rgb(213, 190, 36)  
}
```

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, 190, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 190, 36) }
```

Border

The CSS property to change the border of an element to XYZ 46.1725, 51.1004, 9.0989 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, 190, 36) }
```


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

```
.border{ border-color:rgb(213, 190, 36) }
```

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

Here you see how a box with a 4 pixel rgb(213, 190, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 190, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 190, 36);  
box-shadow:4px 4px 4px 4px rgb(213, 190,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1725, 51.1004, 9.0989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 190, 36) }
```

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

```
.background{ background-color: rgb(213,  
190, 36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor