

Converting Colors

XYZ(41.7285, 49.5095, 9.0075)

Have a look what the booklet for
XYZ(41.7285, 49.5095, 9.0075)
contains.

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Color

**XYZ(41.6738, 49.4288,
9.0133)**

Conversions

Conversions Part 1

Format	Color
Hex	C3C024
RGB	195, 192, 36
RGB Percent	76%, 75%, 14%
CMY	0.2353, 0.2470, 0.8588
CMYK	0.00, 0.02, 0.82, 0.24
HSL	59°, 69%, 45%
HSV	59°, 82%, 76%
XYZ	41.6738, 49.4288, 9.0133
YIQ	175.1130, 51.8640, -47.8800

Conversions

Conversions Part 2

Format	Color
R_{YB}	39, 195, 36
Decimal	12828708
CIE _{Lab}	75.72, -15.48, 70.97
CIE _{LCh}	76, 72.639, 102.308
Yxy	49.4288, 0.4163, 0.4937
Android (android.graphics.Color)	4291018788 (0xFFC3C024)
YUV	175.1130, -68.5827, 17.4409
Hunter-Lab	70.3056, -17.2286, 41.6129

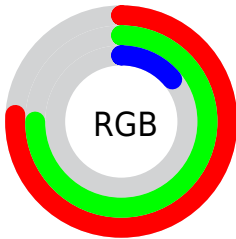
Details

The XYZ color **41.6738, 49.4288, 9.0133** is a dark color, and the websafe version is hex **CCCC33**.

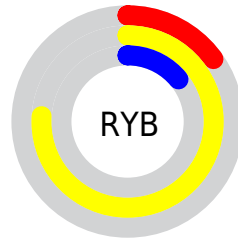
The color can be described as middle muted yellow. A complement of this color would be **11.3036, 5.7664, 52.1467**, and the grayscale version is **41.1329, 43.2750, 47.1265**.

A 20% lighter version of the original color is **76.9651, 89.2579, 24.4813**, and **19.5491, 23.7836, 3.5603** is the 20% darker color. If you saturate the color by 10%, you get **41.3732, 49.1816, 7.8227**, and if you desaturate by 10%, it is **42.1389, 49.7459, 11.0595**.

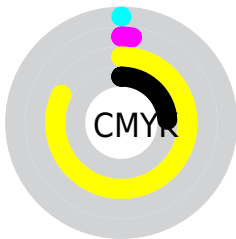
Distribution



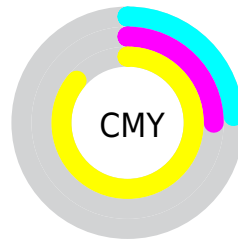
- Red (76%)
- Green (75%)
- Blue (14%)



- Red (15%)
- Yellow (76%)
- Blue (14%)



- Cyan (0%)
- Magenta (2%)
- Yellow (82%)
- Black (24%)





- Cyan (24%)
- Magenta (25%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6738, 49.4288, 9.0133 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 41.6738, 49.4288, 9.0133 by changing the saturation by 10% instead.


 41.6738, 49.4288,
9.0133

 41.6738, 49.4288,
9.0133


344.1436,
384.4280, 193.6988


 29.0359, 34.9598,
4.6529


 76.9740, 89.3280,
24.5004

 19.2524, 23.6319,
1.9899


 100.3670,
115.5269, 36.4642


 11.9579, 15.0608,
0.5491


 128.0758,
146.4046, 51.7996

 6.7870, 8.8620,
0.0000

 160.4657,
182.3454, 70.9251

 3.3744, 4.6513,
0.0000

 197.9020,
223.7337, 94.2592

 1.3547, 2.0442,
0.0000

 240.7503,

 0.2236, 0.6329,

270.9540, 122.2205

0.0000

289.3757,
324.3906, 155.2275

■ 0.0000, 0.0000,
0.0000

■ 41.6738, 49.4288,
9.0133

■ 41.6738, 49.4288,
9.0133

■ 41.3732, 49.1816,
7.8227

■ 42.1389, 49.7459,
11.0595

■ 41.2078, 49.0066,
7.2873

■ 42.7883, 50.1351,
14.0798

■ 43.6424, 50.6066,
18.1772

■ 44.7182, 51.1671,
23.4410

■ 46.0308, 51.8226,
29.9511

■ 47.5942, 52.5787,
37.7803

■ 49.4210, 53.4406,
46.9958

■ 51.5231, 54.4129,
57.6604

■ 53.9118, 55.5001,
69.8328

Harmonies

Analogous

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



55.2984, 49.4288, 9.5724



41.6738, 49.4288, 9.0133



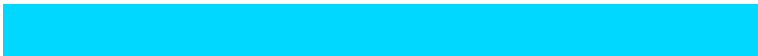
31.6162, 49.4288, 15.4934

Triad

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



41.6738, 49.4288, 9.0133



30.3135, 49.4288, 120.7681



76.2232, 49.4288, 79.6519

Complementary

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



41.6738, 49.4288, 9.0133



11.3036, 5.7664, 52.1467

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.



66.6567, 49.4288, 129.4109



41.6738, 49.4288, 9.0133



39.5417, 49.4288, 159.9103

Square

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



41.6738, 49.4288, 9.0133



25.9494, 49.4288, 71.2274



52.7198, 49.4288, 163.6663



77.0959, 49.4288, 39.5077

Rectangle

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



41.6738, 49.4288, 9.0133



27.5785, 49.4288, 26.1869



52.7198, 49.4288, 163.6663



73.8439, 49.4288, 96.1675

Sweetspot

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



41.6749, 49.4311, 9.0143



84.4010, 93.7668, 63.4394



23.5423, 13.0265, 3.3996



18.2590, 20.4258, 12.7707



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.



41.6749, 49.4311, 9.0143



73.8389, 87.7970, 13.1998



27.6911, 43.2081, 8.5502



10.8966, 11.7247, 10.7507



26.7904, 31.8666, 4.7389



1.1628, 1.3874, 0.2065

Inverse Universe

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



11.3036, 5.7664, 52.1467



17.8107, 7.3002, 92.9401



16.9371, 8.5304, 52.3833



9.5432, 9.7777, 12.6691



6.4350, 2.6266, 33.7244



0.2834, 0.1242, 1.4589

Previews

White Background



This preview shows how the XYZ color 41.6738, 49.4288, 9.0133 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 41.6738, 49.4288, 9.0133 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 41.6738, 49.4288, 9.0133

Background



This preview shows how black text looks on a background with the XYZ color 41.6738, 49.4288, 9.0133.



This preview shows how white text looks on a background with the XYZ color 41.6738, 49.4288,

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

41.6738, 49.4288, 9.0133

Protanopia

44.6520, 49.3636, 8.7648

Deuteranopia

50.4567, 49.2959, 9.3383



Tritanopia

51.4779, 49.3559, 57.2655

Trichromacy



Original Color

41.6738, 49.4288, 9.0133

Protanomaly

43.6778, 49.4957, 8.8417

Deuteranomaly

46.6611, 48.8387, 9.1580

Tritanomaly

46.2130, 48.7551, 30.2675

Monochromacy



Original Color

41.6738, 49.4288, 9.0133

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.4534, 44.4481, 25.5687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6738, 49.4288, 9.0133 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(195, 192, 36)` looks like.

```
.text, #text, p{  
    color:rgb(195, 192, 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(195, 192, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 192, 36) }
```

Border

The CSS property to change the border of an element to XYZ 41.6738, 49.4288, 9.0133 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(195, 192, 36) }
```


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

```
.border{ border-color:rgb(195, 192, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 192, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 192, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 192, 36);  
box-shadow:4px 4px 4px 4px rgb(195, 192,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6738, 49.4288, 9.0133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 192, 36) }
```

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

```
.background{ background-color: rgb(195,  
192, 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](#).

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