

Converting Colors

XYZ(36.6975, 41.9032, 8.4814)

Have a look what the booklet for
XYZ(36.6975, 41.9032, 8.4814)
contains.

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Color

**XYZ(36.7004, 41.9165,
8.4419)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB02B
RGB	188, 176, 43
RGB Percent	74%, 69%, 17%
CMY	0.2627, 0.3098, 0.8314
CMYK	0.00, 0.06, 0.77, 0.26
HSL	55°, 63%, 45%
HSV	55°, 77%, 74%
XYZ	36.7004, 41.9165, 8.4419
YIQ	164.4260, 49.8450, -38.8190

Conversions

Conversions Part 2

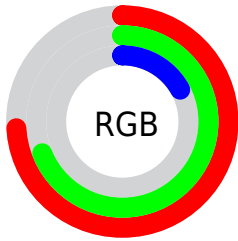
Format	Color
RYB	56, 188, 43
Decimal	12365867
CIELab	70.81, -10.10, 64.40
CIElCh	71, 65.184, 98.914
Yxy	41.9165, 0.4216, 0.4815
Android (android.graphics.Color)	4290555947 (0xFFBCB02B)
YUV	164.4260, -59.8630, 20.6744
Hunter-Lab	64.7430, -12.1151, 37.5892

Details

The XYZ color **36.7004, 41.9165, 8.4419** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **11.4397, 6.8768, 48.3009**, and the grayscale version is **35.7510, 37.6129, 40.9604**.

A 20% lighter version of the original color is **69.2339, 77.8461, 23.4334**, and **16.5677, 19.2406, 2.8406** is the 20% darker color. If you saturate the color by 10%, you get **36.1290, 41.2044, 6.9245**, and if you desaturate by 10%, it is **37.4361, 42.7031, 10.7989**.

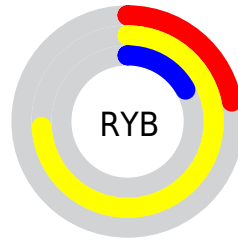
Distribution



Red (74%)

Green (69%)

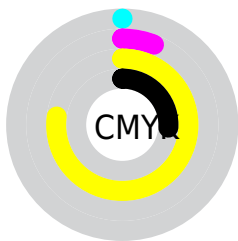
Blue (17%)



Red (22%)

Yellow (74%)

Blue (17%)

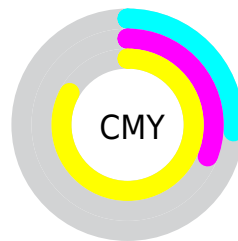


Cyan (0%)

Magenta (6%)

Yellow (77%)

Black (26%)



Cyan (26%)


Magenta (31%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7004, 41.9165, 8.4419 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 36.7004, 41.9165, 8.4419 by changing the saturation by 10% instead.


 36.7004, 41.9165,
8.4419


 36.7004, 41.9165,
8.4419


323.3897,
354.1367, 189.2203


 25.1482, 29.0359,
4.2872


 69.4286, 78.0732,
23.3806

 16.3168, 19.1080,
1.7842


 91.3353, 102.1182,
35.0017


 9.8409, 11.7483,
0.4175


 117.4242,
130.6534, 49.9486

 5.3551, 6.5726,
0.0000

 148.0608,
164.0632, 68.6400

 2.4939, 3.1962,
0.0000

 183.6102,
202.7320, 91.4943

 0.8922, 1.2350,
0.0000

 224.4379,

 0.0000, 0.0900,

247.0443, 118.9301

0.0000

270.9093,
297.3844, 151.3659

■ 0.0000, 0.0000,
0.0000

■ 36.7004, 41.9165,
8.4419

■ 36.7004, 41.9165,
8.4419

■ 36.1290, 41.2044,
6.9245

■ 37.4361, 42.7031,
10.7989

■ 35.6919, 40.5500,
6.1010

■ 38.3526, 43.5660,
14.0949

■ 35.5768, 40.3671,
5.9165

■ 39.4674, 44.5139,
18.4181

■ 40.7953, 45.5526,
23.8460

■ 42.3496, 46.6876,
30.4484

■ 44.1424, 47.9237,
38.2897

■ 46.1852, 49.2654,
47.4293

■ 48.4884, 50.7170,
57.9230

■ 51.0621, 52.2826,
69.8232

Harmonies

Analogous

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



47.8099, 41.9165, 9.5493



36.7004, 41.9165, 8.4419



28.1409, 41.9165, 13.1900

Triad

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



36.7004, 41.9165, 8.4419



25.7370, 41.9165, 94.2761



62.5950, 41.9165, 70.6281

Complementary

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



36.7004, 41.9165, 8.4419



11.4397, 6.8768, 48.3009

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.



54.4020, 41.9165, 109.5319



36.7004, 41.9165, 8.4419



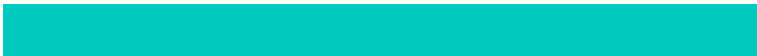
32.8097, 41.9165, 126.9433

Square

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



36.7004, 41.9165, 8.4419



22.6083, 41.9165, 55.5173



43.1545, 41.9165, 133.5255



64.1519, 41.9165, 37.0096

Rectangle

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



36.7004, 41.9165, 8.4419



24.5377, 41.9165, 21.2568



43.1545, 41.9165, 133.5255



60.4630, 41.9165, 83.8680

Sweetspot

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



36.7014, 41.9185, 8.4427



77.9192, 85.4329, 60.2412



22.2946, 12.6961, 4.9011



16.5138, 18.2021, 11.9033



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7014, 41.9185, 8.4427



64.8763, 73.7926, 11.3600



27.2590, 40.6976, 8.7048



10.2529, 10.9818, 10.1560



24.2490, 27.5368, 4.0371



0.9700, 1.1189, 0.1648

Inverse Universe

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



11.4397, 6.8768, 48.3009



17.3144, 7.9606, 86.8502



15.5829, 8.2674, 48.3509



9.0782, 9.3488, 11.9982



6.3251, 2.7619, 32.5926



0.2696, 0.1518, 1.2839

Previews

White Background



This preview shows how the XYZ color 36.7004, 41.9165, 8.4419 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 36.7004, 41.9165, 8.4419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

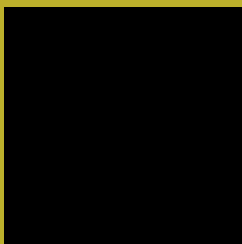
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

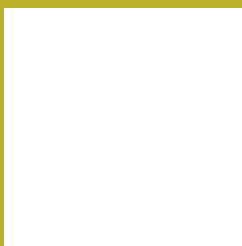
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7004, 41.9165, 8.4419

Background



This preview shows how black text looks on a background with the XYZ color 36.7004, 41.9165, 8.4419.



This preview shows how white text looks on a background with the XYZ color 36.7004, 41.9165,

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

36.7004, 41.9165, 8.4419

Protanopia

38.0596, 42.0414, 8.2993

Deuteranopia

42.7224, 41.6697, 8.5877



Tritanopia

44.5000, 41.7310, 47.3045

Trichromacy



Original Color

36.7004, 41.9165, 8.4419

Protanomaly

37.4861, 42.0336, 8.3281

Deuteranomaly

40.2279, 41.4679, 8.4686

Tritanomaly

40.1470, 41.0331, 26.2263

Monochromacy



Original Color

36.7004, 41.9165, 8.4419

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.6264, 38.2456, 23.3264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7004, 41.9165, 8.4419 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(188, 176, 43)` looks like.

```
.text, #text, p{  
    color:rgb(188, 176, 43)  
}
```

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(188, 176, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 176, 43) }
```

Border

The CSS property to change the border of an element to XYZ 36.7004, 41.9165, 8.4419 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(188, 176, 43) }
```


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

```
.border{ border-color:rgb(188, 176, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 176, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 176, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 176, 43);  
box-shadow:4px 4px 4px 4px rgb(188, 176,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7004, 41.9165, 8.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 176, 43) }
```

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

```
.background{ background-color: rgb(188,  
176, 43) }
```

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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