

Converting Colors

XYZ(36.8931, 45.4411, 16.6014)

Have a look what the booklet for
XYZ(36.8931, 45.4411, 16.6014)
contains.

XYZ(36.8419, 45.4753, 16.5087)	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(36.8419, 45.4753,
16.5087)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBC5A
RGB	172, 188, 90
RGB Percent	67%, 74%, 35%
CMY	0.3255, 0.2627, 0.6470
CMYK	0.09, 0.00, 0.52, 0.26
HSL	70°, 42%, 55%
HSV	70°, 52%, 74%
XYZ	36.8419, 45.4753, 16.5087
YIQ	172.0440, 21.9220, -33.8700

Conversions

Conversions Part 2

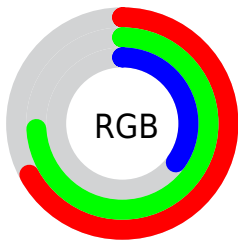
Format	Color
RYB	90, 188, 106
Decimal	11320410
CIELab	73.20, -19.94, 47.15
CIELCh	73, 51.195, 112.920
Yxy	45.4753, 0.3728, 0.4602
Android (android.graphics.Color)	4289510490 (0xFFACBC5A)
YUV	172.0440, -40.4477, -0.0386
Hunter-Lab	67.4354, -20.4922, 32.6901

Details

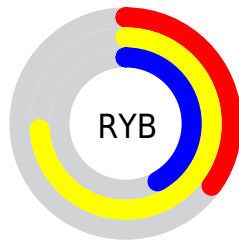
The XYZ color **36.8419, 45.4753, 16.5087** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.6789, 14.0085, 49.2991**, and the grayscale version is **39.4265, 41.4798, 45.1715**.

A 20% lighter version of the original color is **69.6217, 83.3426, 38.4039**, and **16.5014, 21.3260, 5.1661** is the 20% darker color. If you saturate the color by 10%, you get **35.4751, 44.8532, 12.7831**, and if you desaturate by 10%, it is **38.4289, 46.1905, 21.3028**.

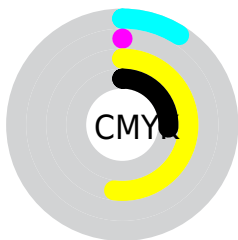
Distribution



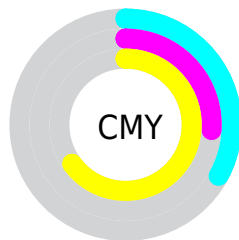
- Red (67%)
- Green (74%)
- Blue (35%)



- Red (35%)
- Yellow (74%)
- Blue (42%)



- Cyan (9%)
- Magenta (0%)
- Yellow (52%)
- Black (26%)



- Cyan (33%)
- Magenta (26%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8419, 45.4753, 16.5087 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 36.8419, 45.4753, 16.5087 by changing the saturation by 10% instead.

■ 36.8419, 45.4753,
16.5087

■ 36.8419, 45.4753,
16.5087

323.9930,
368.6951, 244.2724

■ 25.2582, 31.8320,
9.7266

■ 69.6450, 83.4332,
38.2581

■ 16.3993, 21.2332,
5.1148

■ 91.5951, 108.5165,
54.0625

■ 9.8998, 13.2946,
2.2549

■ 117.7314,
138.1820, 73.7114

■ 5.3943, 7.6317,
0.7058

■ 148.4192,
172.8140, 97.6233

■ 2.5175, 3.8602,
0.0000

184.0239,
212.7969, 126.2169

■ 0.9041, 1.5957,
0.0000

224.9109,

■ 0.0000, 0.3547,

258.5152, 159.9105

0.0000

271.4454,
310.3531, 199.1228

■ 0.0000, 0.0000,
0.0000

■ 36.8419, 45.4753,
16.5087

■ 36.8419, 45.4753,
16.5087

■ 35.4751, 44.8532,
12.7831

■ 38.4289, 46.1905,
21.3028

■ 34.3094, 44.3118,
10.0412

■ 40.2468, 46.9982,
27.2359

■ 33.3282, 43.8459,
8.1899

■ 42.3096, 47.9057,
34.3761

■ 32.5099, 43.4470,
7.1172

■ 44.6291, 48.9177,
42.7849

■ 31.9476, 43.1669,
6.6482

■ 47.2162, 50.0386,
52.5201

■ 50.0814, 51.2726,
63.6356

■ 53.2344, 52.6237,
76.1825

■ 56.6846, 54.0954,
90.2090

■ 59.7559, 55.4175,
102.1549

Harmonies

Analogous

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



45.3861, 45.4753, 14.8705



36.8419, 45.4753, 16.5087



30.8604, 45.4753, 25.2855

Triad

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



36.8419, 45.4753, 16.5087



33.6266, 45.4753, 100.3646



62.7197, 45.4753, 55.8631

Complementary

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



36.8419, 45.4753, 16.5087



18.6789, 14.0085, 49.2991

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.



58.5116, 45.4753, 85.7107



36.8419, 45.4753, 16.5087



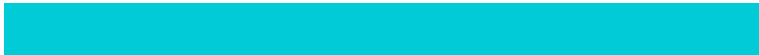
41.1295, 45.4753, 116.5764

Square

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



36.8419, 45.4753, 16.5087



29.1914, 45.4753, 71.3748



50.3012, 45.4753, 110.4460



61.1546, 45.4753, 32.6472

Rectangle

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



36.8419, 45.4753, 16.5087



28.7309, 45.4753, 36.3657



50.3012, 45.4753, 110.4460



61.9159, 45.4753, 65.5038

Sweetspot

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



36.8430, 45.4774, 16.5097



79.0833, 87.8692, 70.9507



27.6072, 21.4730, 12.3631



16.8210, 18.8149, 14.5856



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.



36.8430, 45.4774, 16.5097



63.8601, 81.0872, 22.0875



28.1860, 41.0145, 16.1045



10.1651, 11.0395, 10.1717



21.8034, 29.4160, 4.5287



0.8955, 1.1736, 0.1793

Inverse Universe

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



18.6789, 14.0085, 49.2991



27.3269, 17.6870, 88.1999



26.0042, 17.7849, 49.6420



9.1578, 9.2982, 11.9843



6.6016, 2.6893, 32.5640



0.3046, 0.1291, 1.2777

Previews

White Background



This preview shows how the XYZ color 36.8419, 45.4753, 16.5087 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 36.8419, 45.4753, 16.5087 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

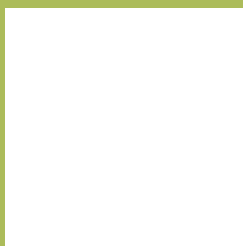
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8419, 45.4753, 16.5087

Background



This preview shows how black text looks on a background with the XYZ color 36.8419, 45.4753, 16.5087.



This preview shows how white text looks on a background with the XYZ color 36.8419, 45.4753,

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

36.8419, 45.4753, 16.5087

Protanopia

41.5947, 45.4728, 15.6017

Deuteranopia

46.0985, 45.1496, 16.8748



Tritanopia

44.6545, 45.2731, 55.6753

Trichromacy



Original Color

36.8419, 45.4753, 16.5087

Protanomaly

39.6812, 45.3904, 15.9023

Deuteranomaly

42.3265, 44.9311, 16.7976

Tritanomaly

40.9470, 44.9645, 37.0927

Monochromacy



Original Color

36.8419, 45.4753, 16.5087

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.8161, 42.5644, 31.8138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8419, 45.4753, 16.5087 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(172, 188, 90)` looks like.

```
.text, #text, p{  
    color:rgb(172, 188, 90)  
}
```

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(172, 188, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 188, 90) }
```

Border

The CSS property to change the border of an element to XYZ 36.8419, 45.4753, 16.5087 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(172, 188, 90) }
```


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

```
.border{ border-color:rgb(172, 188, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 188, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 188, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 188, 90);  
box-shadow:4px 4px 4px 4px rgb(172, 188,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8419, 45.4753, 16.5087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 188, 90) }
```

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

```
.background{ background-color: rgb(172,  
188, 90) }
```

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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