

Converting Colors

XYZ(43.9024, 47.2096, 16.5183)

Have a look what the booklet for
XYZ(43.9024, 47.2096, 16.5183)
contains.

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Color

**XYZ(44.0270, 47.3159,
16.4853)**

Conversions

Conversions Part 1

Format	Color
Hex	CEB65A
RGB	206, 182, 90
RGB Percent	81%, 71%, 35%
CMY	0.1922, 0.2863, 0.6470
CMYK	0.00, 0.12, 0.56, 0.19
HSL	48°, 54%, 58%
HSV	48°, 56%, 81%
XYZ	44.0270, 47.3159, 16.4853
YIQ	178.6880, 43.8360, -23.5240

Conversions

Conversions Part 2

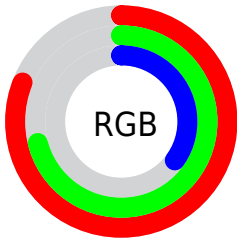
Format	Color
RYB	120, 206, 90
Decimal	13547098
CIELab	74.39, -2.75, 49.25
CIELCh	74, 49.328, 93.195
Yxy	47.3159, 0.4083, 0.4388
Android (android.graphics.Color)	4291737178 (0xFFCEB65A)
YUV	178.6880, -43.7232, 23.9526
Hunter-Lab	68.7866, -6.1271, 33.9412

Details

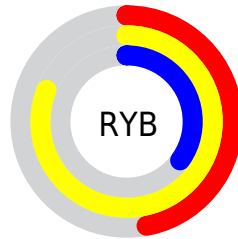
The XYZ color **44.0270, 47.3159, 16.4853** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **21.3742, 18.6639, 60.8682**, and the grayscale version is **42.8916, 45.1253, 49.1415**.

A 20% lighter version of the original color is **76.7725, 84.3922, 38.2296**, and **20.6109, 22.2366, 5.1252** is the 20% darker color. If you saturate the color by 10%, you get **42.4098, 45.2956, 12.2037**, and if you desaturate by 10%, it is **45.9160, 49.4910, 22.0572**.

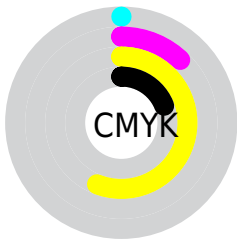
Distribution



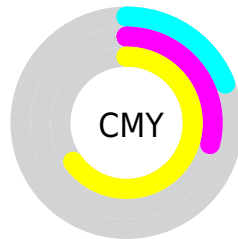
- Red (81%)
- Green (71%)
- Blue (35%)



- Red (47%)
- Yellow (81%)
- Blue (35%)



- Cyan (0%)
- Magenta (12%)
- Yellow (56%)
- Black (19%)



- Cyan (19%)
- Magenta (29%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.0270, 47.3159, 16.4853 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 44.0270, 47.3159, 16.4853 by changing the saturation by 10% instead.

■ 44.0270, 47.3159,
16.4853

■ 44.0270, 47.3159,
16.4853

353.6688,
376.0741, 244.1313

■ 30.8897, 33.2855,
9.7102

■ 80.5045, 86.1850,
38.2171

■ 20.6663, 22.3452,
5.1041

■ 104.5754,
111.7924, 54.0109

■ 12.9914, 14.1108,
2.2487

■ 133.0216,
142.0276, 73.6479

■ 7.4996, 8.1978,
0.7023

■ 166.2083,
177.2750, 97.5468

■ 3.8255, 4.2217,
0.0000

204.5011,
217.9189, 126.1260

■ 1.6039, 1.7984,
0.0000

248.2652,

■ 0.3950, 0.4862,

264.3438, 159.8042

0.0000

297.8660,
316.9341, 198.9997

■ 0.0000, 0.0000,
0.0000

■ 44.0270, 47.3159,
16.4853

■ 44.0270, 47.3159,
16.4853

■ 42.4098, 45.2956,
12.2037

■ 45.9160, 49.4910,
22.0572

■ 41.0401, 43.4147,
9.1008

■ 48.0919, 51.8219,
29.0127

■ 39.8948, 41.6652,
7.0509

■ 50.5726, 54.3179,
37.4400

■ 38.9432, 40.0346,
5.8933

■ 53.3735, 56.9856,
47.4190

■ 38.6197, 39.4543,
5.5800

■ 56.5089, 59.8311,
59.0238

■ 59.9920, 62.8599,
72.3237

■ 63.8357, 66.0776,
87.3842

■ 68.0517, 69.4891,
104.2670

■ 69.1901, 71.7150,
104.8034

Harmonies

Analogous

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



53.1233, 47.3159, 19.0296



44.0270, 47.3159, 16.4853



36.2538, 47.3159, 20.4680

Triad

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



44.0270, 47.3159, 16.4853



32.1395, 47.3159, 83.2111



62.0058, 47.3159, 76.8778

Complementary

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



44.0270, 47.3159, 16.4853



21.3742, 18.6639, 60.8682

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.



54.9873, 47.3159, 104.2547



44.0270, 47.3159, 16.4853



37.7009, 47.3159, 108.6780

Square

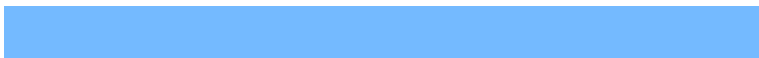
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.0270, 47.3159, 16.4853



29.9827, 47.3159, 54.2939



45.9311, 47.3159, 117.4235



64.2736, 47.3159, 48.8402

Rectangle

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



44.0270, 47.3159, 16.4853



32.6353, 47.3159, 27.4179



45.9311, 47.3159, 117.4235



60.0821, 47.3159, 86.7345

Sweetspot

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



44.0281, 47.3181, 16.4863



86.0454, 91.9275, 75.2648



32.2122, 21.6755, 18.7465



18.2126, 19.4843, 15.3713



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.



44.0281, 47.3181, 16.4863



68.1138, 72.5951, 18.3253



41.1799, 53.7801, 17.8837



11.9492, 12.6873, 11.8985



23.8524, 24.4377, 3.4598



1.2815, 1.3626, 0.1955

Inverse Universe

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



21.3742, 18.6639, 60.8682



27.9109, 21.8278, 97.3499



22.9465, 15.9703, 60.2654



10.7866, 11.2137, 14.1663



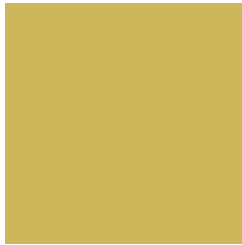
7.4402, 3.9045, 36.3178



0.4398, 0.3133, 1.8922

Previews

White Background



This preview shows how the XYZ color 44.0270, 47.3159, 16.4853 looks on a white background.

Color Contrast Check

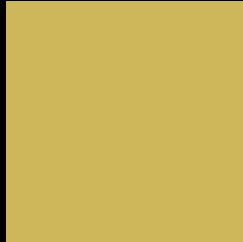
Large Text (above 18pt) WCAG AA × Fail

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 44.0270, 47.3159, 16.4853 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 44.0270, 47.3159, 16.4853

Background



This preview shows how black text looks on a background with the XYZ color 44.0270, 47.3159, 16.4853.



This preview shows how white text looks on a background with the XYZ color 44.0270, 47.3159,

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

44.0270, 47.3159, 16.4853

Protanopia

43.1361, 47.1617, 16.5025

Deuteranopia

48.1192, 47.0524, 16.6711



Tritanopia

51.5338, 47.4549, 52.3425

Trichromacy



Original Color

44.0270, 47.3159, 16.4853

Protanomaly

43.4076, 47.3017, 16.5152

Deuteranomaly

46.5239, 47.1050, 16.5376

Tritanomaly

48.1817, 47.2497, 35.4348

Monochromacy



Original Color

44.0270, 47.3159, 16.4853

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.5740, 45.5679, 34.1554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.0270, 47.3159, 16.4853 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(206, 182, 90)` looks like.

```
.text, #text, p{  
    color:rgb(206, 182, 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(206, 182, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 182, 90) }
```

Border

The CSS property to change the border of an element to XYZ 44.0270, 47.3159, 16.4853 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(206, 182, 90) }
```


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

```
.border{ border-color:rgb(206, 182, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 182, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 182, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 182, 90);  
box-shadow:4px 4px 4px 4px rgb(206, 182,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 44.0270, 47.3159, 16.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 182, 90) }
```

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

```
.background{ background-color: rgb(206,  
182, 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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