

Converting Colors

XYZ(41.8625, 46.4957, 16.2809)

Have a look what the booklet for
XYZ(41.8625, 46.4957, 16.2809)
contains.

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Color

**XYZ(41.7626, 46.4586,
16.2175)**

Conversions

Conversions Part 1

Format	Color
Hex	C5B759
RGB	197, 183, 89
RGB Percent	77%, 72%, 35%
CMY	0.2275, 0.2823, 0.6510
CMYK	0.00, 0.07, 0.55, 0.23
HSL	52°, 48%, 56%
HSV	52°, 55%, 77%
XYZ	41.7626, 46.4586, 16.2175
YIQ	176.4700, 38.5180, -26.2660

Conversions

Conversions Part 2

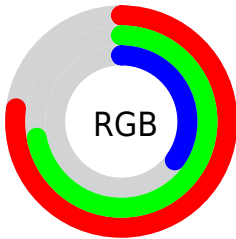
Format	Color
RYB	105, 197, 89
Decimal	12957529
CIELab	73.84, -7.13, 48.88
CIELCh	74, 49.402, 98.300
Yxy	46.4586, 0.3999, 0.4448
Android (android.graphics.Color)	4291147609 (0xFFC5B759)
YUV	176.4700, -43.1227, 18.0048
Hunter-Lab	68.1605, -9.9123, 33.6055

Details

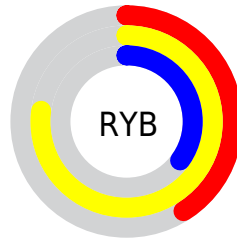
The XYZ color **41.7626, 46.4586, 16.2175** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **19.0480, 15.8550, 54.8794**, and the grayscale version is **41.7177, 43.8903, 47.7965**.

A 20% lighter version of the original color is **76.9890, 84.9460, 37.9296**, and **19.3011, 21.7616, 4.9334** is the 20% darker color. If you saturate the color by 10%, you get **40.5222, 45.1293, 12.2547**, and if you desaturate by 10%, it is **43.2361, 47.8999, 21.3511**.

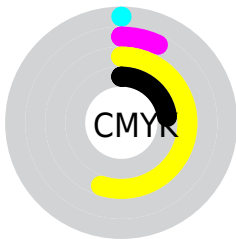
Distribution



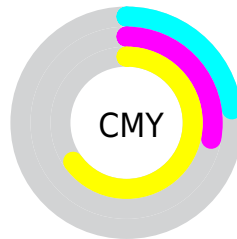
- Red (77%)
- Green (72%)
- Blue (35%)



- Red (41%)
- Yellow (77%)
- Blue (35%)



- Cyan (0%)
- Magenta (7%)
- Yellow (55%)
- Black (23%)



- Cyan (23%)
- Magenta (28%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7626, 46.4586, 16.2175 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 41.7626, 46.4586, 16.2175 by changing the saturation by 10% instead.

■ 41.7626, 46.4586,
16.2175

■ 41.7626, 46.4586,
16.2175

344.5063,
372.6493, 242.5111

■ 29.1057, 32.6079,
9.5222

■ 77.1076, 84.9049,
37.7474

■ 19.3055, 21.8262,
4.9819

■ 100.5265,
110.2693, 53.4191

■ 11.9966, 13.7293,
2.1781

■ 128.2634,
140.2403, 72.9200

■ 6.8135, 7.9326,
0.6617

■ 160.6838,
175.2024, 96.6686

■ 3.3910, 4.0519,
0.0000

198.1529,
215.5400, 125.0834

■ 1.3638, 1.7026,
0.0000

241.0361,

■ 0.2302, 0.4253,

261.6374, 158.5831

0.0000

289.6988,
313.8790, 197.5862

■ 0.0000, 0.0000,
0.0000

■ 41.7626, 46.4586,
16.2175

■ 41.7626, 46.4586,
16.2175

■ 40.5222, 45.1293,
12.2547

■ 43.2361, 47.8999,
21.3511

■ 39.4935, 43.8982,
9.3645

■ 44.9556, 49.4532,
27.7373

■ 38.6566, 42.7588,
7.4377

■ 46.9367, 51.1266,
35.4542

■ 37.9859, 41.7011,
6.3400

■ 49.1931, 52.9256,
44.5723

■ 37.6782, 41.1749,
5.9617

■ 51.7372, 54.8553,
55.1575

■ 54.5807, 56.9205,
67.2714

■ 57.7348, 59.1256,
80.9718

■ 61.2099, 61.4749,
96.3140

■ 63.1422, 63.2230,
103.4831

Harmonies

Analogous

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



50.7054, 46.4586, 17.6256



41.7626, 46.4586, 16.2175



34.4898, 46.4586, 21.3164

Triad

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



41.7626, 46.4586, 16.2175



32.1786, 46.4586, 86.9022



61.7941, 46.4586, 70.6741

Complementary

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



41.7626, 46.4586, 16.2175



19.0480, 15.8550, 54.8794

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.



55.4815, 46.4586, 98.8676



41.7626, 46.4586, 16.2175



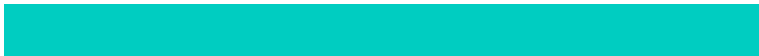
38.1990, 46.4586, 110.1964

Square

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



41.7626, 46.4586, 16.2175



29.4571, 46.4586, 57.8988



46.6423, 46.4586, 115.1817



63.0798, 46.4586, 43.9155

Rectangle

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



41.7626, 46.4586, 16.2175



31.2833, 46.4586, 29.1772



46.6423, 46.4586, 115.1817



60.1529, 46.4586, 80.5181

Sweetspot

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



41.7637, 46.4608, 16.2184



87.4997, 94.3184, 77.3459



29.0668, 20.0028, 15.2670



18.5420, 20.0413, 15.7955



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.



41.7637, 46.4608, 16.2184



72.1414, 80.3298, 20.6556



35.7523, 47.8620, 16.8058



11.4021, 12.1734, 11.3115



24.8261, 27.1694, 3.9357



1.2090, 1.3535, 0.1975

Inverse Universe

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



19.0480, 15.8550, 54.8794



27.3688, 20.0644, 97.0381



22.6434, 15.8124, 54.6816



10.1656, 10.5053, 13.4094



6.8997, 3.1933, 34.9971



0.3641, 0.2260, 1.6696

Previews

White Background



This preview shows how the XYZ color 41.7626, 46.4586, 16.2175 looks on a white background.

Color Contrast Check

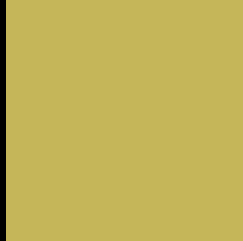
Large Text (above 18pt) WCAG AA × Fail

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 41.7626, 46.4586, 16.2175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

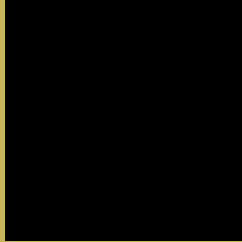
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7626, 46.4586, 16.2175

Background



This preview shows how black text looks on a background with the XYZ color 41.7626, 46.4586, 16.2175.



This preview shows how white text looks on a background with the XYZ color 41.7626, 46.4586,

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

41.7626, 46.4586, 16.2175

Protanopia

42.6185, 46.5947, 16.1986

Deuteranopia

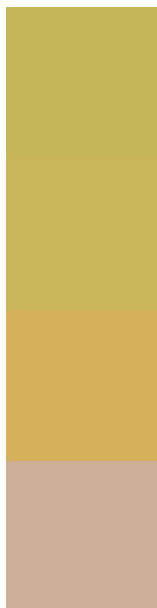
47.3068, 46.3478, 16.5779



Tritanopia

49.0690, 46.1720, 52.7802

Trichromacy



Original Color

41.7626, 46.4586, 16.2175

Protanomaly

42.3505, 46.4565, 16.1861

Deuteranomaly

45.3420, 46.4958, 16.4823

Tritanomaly

45.7398, 45.9815, 35.7427

Monochromacy



Original Color

41.7626, 46.4586, 16.2175

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.9213, 44.4442, 32.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7626, 46.4586, 16.2175 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(197, 183, 89)` looks like.

```
.text, #text, p{  
    color:rgb(197, 183, 89)  
}
```

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(197, 183, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 183, 89) }
```

Border

The CSS property to change the border of an element to XYZ 41.7626, 46.4586, 16.2175 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(197, 183, 89) }
```


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

```
.border{ border-color:rgb(197, 183, 89) }
```

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

Here you see how a box with a 4 pixel rgb(197, 183, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 183, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 183, 89);  
box-shadow:4px 4px 4px 4px rgb(197, 183,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7626, 46.4586, 16.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 183, 89) }
```

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

```
.background{ background-color: rgb(197,  
183, 89) }
```

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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