

Converting Colors

XYZ(37.6308, 42.3319, 14.5845)

Have a look what the booklet for
XYZ(37.6308, 42.3319, 14.5845)
contains.

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Color

**XYZ(37.6191, 42.2556,
14.5609)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB054
RGB	187, 176, 84
RGB Percent	73%, 69%, 33%
CMY	0.2667, 0.3098, 0.6706
CMYK	0.00, 0.06, 0.55, 0.27
HSL	54°, 43%, 53%
HSV	54°, 55%, 73%
XYZ	37.6191, 42.2556, 14.5609
YIQ	168.8010, 36.0880, -26.2800

Conversions

Conversions Part 2

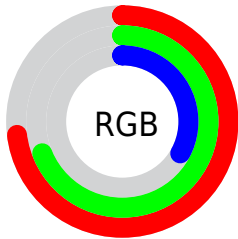
Format	Color
RYB	96, 187, 84
Decimal	12300372
CIELab	71.05, -8.09, 47.80
CIELCh	71, 48.485, 99.610
Yxy	42.2556, 0.3984, 0.4475
Android (android.graphics.Color)	4290490452 (0xFFBBB054)
YUV	168.8010, -41.8069, 15.9605
Hunter-Lab	65.0043, -10.4565, 32.2221

Details

The XYZ color **37.6191, 42.2556, 14.5609** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.7179, 13.6567, 48.7684**, and the grayscale version is **37.8022, 39.7709, 43.3105**.

A 20% lighter version of the original color is **70.6760, 78.3419, 34.6890**, and **16.8284, 19.3449, 4.2135** is the 20% darker color. If you saturate the color by 10%, you get **36.5941, 41.2255, 11.0757**, and if you desaturate by 10%, it is **38.8473, 43.3794, 19.0794**.

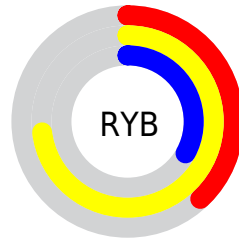
Distribution



Red (73%)

Green (69%)

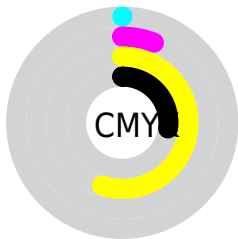
Blue (33%)



Red (38%)

Yellow (73%)

Blue (33%)

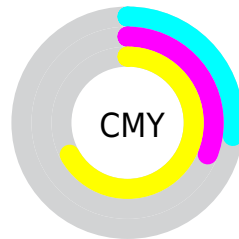


Cyan (0%)

Magenta (6%)

Yellow (55%)

Black (27%)



Cyan (27%)

Magenta (31%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6191, 42.2556, 14.5609 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 37.6191, 42.2556, 14.5609 by changing the saturation by 10% instead.

■ 37.6191, 42.2556,
14.5609

■ 37.6191, 42.2556,
14.5609

327.2924,
355.5414, 232.2413

■ 25.8631, 29.3015,
8.3686

■ 70.8316, 78.5863,
34.8123

■ 16.8534, 19.3090,
4.2406

■ 93.0188, 102.7317,
49.7086

■ 10.2247, 11.8938,
1.7582

■ 119.4137,
131.3763, 68.3432

■ 5.6116, 6.6714,
0.4002

■ 150.3818,
164.9045, 91.1348

■ 2.6488, 3.2574,
0.0000

■ 186.2884,
203.7008, 118.5019

■ 0.9709, 1.2676,
0.0000

227.4987,

■ 0.0000, 0.1159,

248.1494, 150.8629

0.0000

274.3783,
298.6348, 188.6366

■ 0.0000, 0.0000,
0.0000

■ 37.6191, 42.2556,
14.5609

■ 37.6191, 42.2556,
14.5609

■ 36.5941, 41.2255,
11.0757

■ 38.8473, 43.3794,
19.0794

■ 35.7535, 40.2767,
8.5373

■ 40.2901, 44.5966,
24.7033

■ 35.0797, 39.4038,
6.8493

■ 41.9612, 45.9145,
31.5014

■ 34.5503, 38.5978,
5.8934

■ 43.8726, 47.3378,
39.5358

■ 34.3192, 38.2162,
5.5677

■ 46.0353, 48.8710,
48.8647

■ 48.4597, 50.5182,
59.5423

■ 51.1553, 52.2835,
71.6197

■ 54.1316, 54.1704,
85.1455

■ 57.3973, 56.1826,
100.1659

Harmonies

Analogous

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



45.8353, 42.2556, 15.5912



37.6191, 42.2556, 14.5609



31.0313, 42.2556, 19.4966

Triad

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



37.6191, 42.2556, 14.5609



29.3220, 42.2556, 80.6964



56.5963, 42.2556, 63.3596

Complementary

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



37.6191, 42.2556, 14.5609



16.7179, 13.6567, 48.7684

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.



50.9298, 42.2556, 89.6219



37.6191, 42.2556, 14.5609



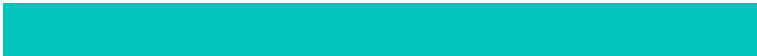
34.9785, 42.2556, 101.7412

Square

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



37.6191, 42.2556, 14.5609



26.6840, 42.2556, 53.8619



42.8184, 42.2556, 105.4660



57.5532, 42.2556, 38.9594

Rectangle

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



37.6191, 42.2556, 14.5609



28.1734, 42.2556, 26.9369



42.8184, 42.2556, 105.4660



55.1461, 42.2556, 72.4548

Sweetspot

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



37.6201, 42.2576, 14.5618



77.7864, 84.2058, 67.4535



25.7761, 17.7507, 13.1386



16.9745, 18.4289, 14.1980



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.



37.6201, 42.2576, 14.5618



65.2155, 73.4857, 18.8026



31.4962, 42.4316, 14.9181



10.2329, 10.9418, 10.1493



23.6781, 26.3950, 3.8468



0.9527, 1.0844, 0.1591

Inverse Universe

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



16.7179, 13.6567, 48.7684



24.0790, 17.2418, 86.2603



20.3780, 14.1757, 48.6756



9.0963, 9.3849, 12.0043



6.3787, 2.8691, 32.6105



0.2775, 0.1677, 1.2866

Previews

White Background



This preview shows how the XYZ color 37.6191, 42.2556, 14.5609 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 37.6191, 42.2556, 14.5609 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 37.6191, 42.2556, 14.5609

Background



This preview shows how black text looks on a background with the XYZ color 37.6191, 42.2556, 14.5609.



This preview shows how white text looks on a background with the XYZ color 37.6191, 42.2556,

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

37.6191, 42.2556, 14.5609

Protanopia

38.6897, 42.2341, 14.2964

Deuteranopia

43.0881, 42.2567, 14.9022



Tritanopia

44.5379, 42.2629, 48.4580

Trichromacy



Original Color

37.6191, 42.2556, 14.5609

Protanomaly

38.3772, 42.3608, 14.3374

Deuteranomaly

40.9563, 42.2587, 14.8022

Tritanomaly

41.4011, 42.1005, 32.3297

Monochromacy



Original Color

37.6191, 42.2556, 14.5609

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.2445, 40.5701, 29.9126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6191, 42.2556, 14.5609 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(187, 176, 84)` looks like.

```
.text, #text, p{  
    color:rgb(187, 176, 84)  
}
```

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(187, 176, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 176, 84) }
```

Border

The CSS property to change the border of an element to XYZ 37.6191, 42.2556, 14.5609 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(187, 176, 84) }
```


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

```
.border{ border-color:rgb(187, 176, 84) }
```

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

Here you see how a box with a 4 pixel rgb(187, 176, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 176, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 176, 84);  
box-shadow:4px 4px 4px 4px rgb(187, 176,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6191, 42.2556, 14.5609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 176, 84) }
```

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

```
.background{ background-color: rgb(187,  
176, 84) }
```

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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