

Converting Colors

XYZ(37.6349, 45.9299, 21.4390)

Have a look what the booklet for
XYZ(37.6349, 45.9299, 21.4390)
contains.

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Color

**XYZ(37.5381, 45.7285,
21.3160)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBC6D
RGB	171, 188, 109
RGB Percent	67%, 74%, 43%
CMY	0.3294, 0.2627, 0.5725
CMYK	0.09, 0.00, 0.42, 0.26
HSL	73°, 37%, 58%
HSV	73°, 42%, 74%
XYZ	37.5381, 45.7285, 21.3160
YIQ	173.9110, 15.2270, -28.1730

Conversions

Conversions Part 2

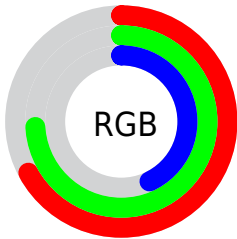
Format	Color
RYB	109, 188, 126
Decimal	11254893
CIELab	73.37, -18.37, 37.95
CIELCh	73, 42.165, 115.824
Yxy	45.7285, 0.3589, 0.4372
Android (android.graphics.Color)	4289444973 (0xFFABBC6D)
YUV	173.9110, -32.0011, -2.5529
Hunter-Lab	67.6229, -19.2529, 28.6467

Details

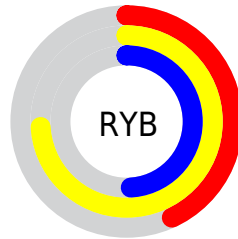
The XYZ color **37.5381, 45.7285, 21.3160** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.1517, 19.0049, 50.0277**, and the grayscale version is **40.3411, 42.4419, 46.2193**.

A 20% lighter version of the original color is **70.5508, 83.6409, 46.6083**, and **16.7895, 21.4256, 7.3883** is the 20% darker color. If you saturate the color by 10%, you get **35.7648, 44.9205, 16.5035**, and if you desaturate by 10%, it is **39.5572, 46.6411, 27.2718**.

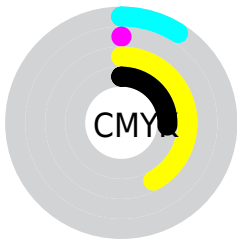
Distribution



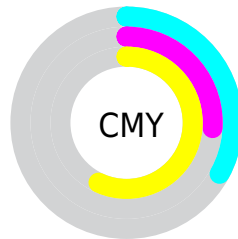
- Red (67%)
- Green (74%)
- Blue (43%)



- Red (43%)
- Yellow (74%)
- Blue (49%)



- Cyan (9%)
- Magenta (0%)
- Yellow (42%)
- Black (26%)



- Cyan (33%)
- Magenta (26%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5381, 45.7285, 21.3160 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 37.5381, 45.7285, 21.3160 by changing the saturation by 10% instead.

37.5381, 45.7285,
21.3160

37.5381, 45.7285,
21.3160

326.9496,
369.7161, 271.7891

25.8000, 32.0316,
13.1617

70.7081, 83.8125,
46.5005

16.8060, 21.3857,
7.4079

92.8707, 108.9685,
64.3677

10.1907, 13.4062,
3.6362

119.2388,
138.7129, 86.3096

5.5888, 7.7088,
1.4280

150.1777,
173.4302, 112.7448

2.6350, 3.9092,
0.1634

186.0530,
213.5048, 144.0919

0.9638, 1.6229,
0.0000

227.2298,

0.0000, 0.3730,

259.3210, 180.7692

0.0000

274.0735,
311.2633, 223.1955

■ 0.0000, 0.0000,
0.0000

■ 37.5381, 45.7285,
21.3160

■ 37.5381, 45.7285,
21.3160

■ 35.7648, 44.9205,
16.5035

■ 39.5572, 46.6411,
27.2718

■ 34.2196, 44.2052,
12.7579

■ 41.8316, 47.6574,
34.4348

■ 32.8880, 43.5784,
9.9983


■ 44.3743, 48.7842,
42.8677


■ 31.7518, 43.0329,
8.1310


■ 47.1966, 50.0261,
52.6281


■ 30.7896, 42.5599,
7.0440


■ 50.3089, 51.3871,
63.7699

 30.1135, 42.2213,
6.5624

 53.7210, 52.8714,
76.3441

 57.4425, 54.4826,
90.3991

 60.7647, 55.9375,
102.2021

 61.8839, 56.5145,
102.2545

Harmonies

Analogous

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



44.5112, 45.7285, 19.1377



37.5381, 45.7285, 21.3160



32.6927, 45.7285, 30.1780

Triad

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



37.5381, 45.7285, 21.3160



35.9290, 45.7285, 91.8410



59.3087, 45.7285, 52.8269

Complementary

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



37.5381, 45.7285, 21.3160



23.1517, 19.0049, 50.0277

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.



56.3730, 45.7285, 76.4622



37.5381, 45.7285, 21.3160



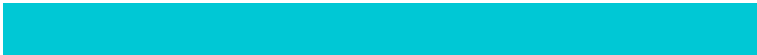
42.4325, 45.7285, 102.6958

Square

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



37.5381, 45.7285, 21.3160



31.8406, 45.7285, 69.8030



49.9819, 45.7285, 96.3911



57.6182, 45.7285, 34.0231

Rectangle

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



37.5381, 45.7285, 21.3160



31.0423, 45.7285, 40.4360



49.9819, 45.7285, 96.3911



58.8219, 45.7285, 60.4869

Sweetspot

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



37.5392, 45.7305, 21.3170



79.8423, 88.1552, 75.7423



30.8093, 26.4135, 17.9431



16.9440, 18.8576, 15.5304



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.



37.5392, 45.7305, 21.3170



65.1791, 81.5745, 30.8527



30.3707, 42.0350, 20.9815



10.1158, 11.0141, 10.1694



20.5662, 28.7781, 4.4708



0.8566, 1.1536, 0.1775

Inverse Universe

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



23.1517, 19.0049, 50.0277



35.8078, 26.9636, 89.5434



29.9191, 22.4937, 50.3444



9.2034, 9.3217, 11.9864



6.8408, 2.8127, 32.5752



0.3245, 0.1393, 1.2786

Previews

White Background



This preview shows how the XYZ color 37.5381, 45.7285, 21.3160 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 37.5381, 45.7285, 21.3160 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 37.5381, 45.7285, 21.3160

Background



This preview shows how black text looks on a background with the XYZ color 37.5381, 45.7285, 21.3160.



This preview shows how white text looks on a background with the XYZ color 37.5381, 45.7285,

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

37.5381, 45.7285, 21.3160

Protanopia

41.9487, 45.5534, 20.2174

Deuteranopia

46.3484, 45.4490, 21.9525



Tritanopia

44.4909, 45.4703, 56.3009

Trichromacy



Original Color

37.5381, 45.7285, 21.3160

Protanomaly

40.3264, 45.6199, 20.5900

Deuteranomaly

42.6644, 45.2900, 21.8224

Tritanomaly

41.3810, 45.4116, 40.7667

Monochromacy



Original Color

37.5381, 45.7285, 21.3160

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.8587, 43.3264, 35.1689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5381, 45.7285, 21.3160 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(171, 188, 109)` looks like.

```
.text, #text, p{  
    color:rgb(171, 188, 109)  
}
```

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(171, 188, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 188, 109) }
```

Border

The CSS property to change the border of an element to XYZ 37.5381, 45.7285, 21.3160 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(171, 188, 109) }
```


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

```
.border{ border-color:rgb(171, 188, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 188, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 188, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 188, 109);  
box-shadow:4px 4px 4px 4px rgb(171, 188,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5381, 45.7285, 21.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 188, 109) }
```

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

```
.background{ background-color: rgb(171,  
188, 109) }
```

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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