

Converting Colors

XYZ(42.2391, 45.4965, 20.6709)

Have a look what the booklet for
XYZ(42.2391, 45.4965, 20.6709)
contains.

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Color

**XYZ(42.1156, 45.3287,
20.7169)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B36C
RGB	198, 179, 108
RGB Percent	78%, 70%, 42%
CMY	0.2235, 0.2980, 0.5765
CMYK	0.00, 0.10, 0.45, 0.22
HSL	47°, 44%, 60%
HSV	47°, 45%, 78%
XYZ	42.1156, 45.3287, 20.7169
YIQ	176.5870, 34.1150, -18.0530

Conversions

Conversions Part 2

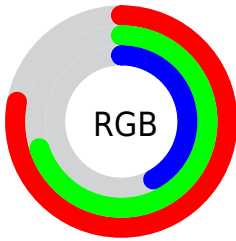
Format	Color
RYB	132, 198, 108
Decimal	13022060
CIELab	73.11, -2.90, 38.60
CIElCh	73, 38.711, 94.294
Yxy	45.3287, 0.3894, 0.4191
Android (android.graphics.Color)	4291212140 (0xFFC6B36C)
YUV	176.5870, -33.8134, 18.7792
Hunter-Lab	67.3266, -6.1623, 28.8846

Details

The XYZ color **42.1156, 45.3287, 20.7169** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.9665, 22.4433, 56.4948**, and the grayscale version is **41.7334, 43.9068, 47.8145**.

A 20% lighter version of the original color is **77.3814, 83.2499, 45.7086**, and **19.5084, 21.2350, 7.0736** is the 20% darker color. If you saturate the color by 10%, you get **40.3547, 43.3061, 15.5084**, and if you desaturate by 10%, it is **44.1434, 47.5021, 27.1960**.

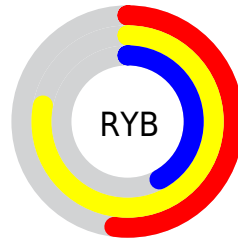
Distribution



Red (78%)

Green (70%)

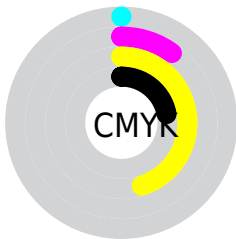
Blue (42%)



Red (52%)

Yellow (78%)

Blue (42%)

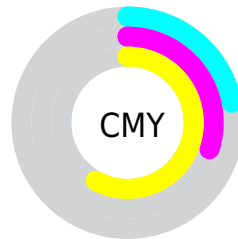


Cyan (0%)

Magenta (10%)

Yellow (45%)

Black (22%)



Cyan (22%)

Magenta (30%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1156, 45.3287, 20.7169 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 42.1156, 45.3287, 20.7169 by changing the saturation by 10% instead.

■ 42.1156, 45.3287,
20.7169

■ 42.1156, 45.3287,
20.7169

345.9454,
368.1032, 268.5016

■ 29.3833, 31.7164,
12.7280

■ 77.6386, 83.2134,
45.4906

■ 19.5167, 21.1450,
7.1130

■ 101.1601,
108.2547, 63.1124

■ 12.1505, 13.2300,
3.4534

■ 129.0086,
137.8744, 84.7823

■ 6.9192, 7.5871,
1.3305

■ 161.5496,
172.4569, 110.9188

■ 3.4575, 3.8319,
0.0866

199.1485,
212.3866, 141.9404

■ 1.4000, 1.5800,
0.0000

242.1705,

■ 0.2563, 0.3441,

258.0480, 178.2657

0.0000

290.9810,
309.8254, 220.3133

■ 0.0000, 0.0000,
0.0000

■ 42.1156, 45.3287,
20.7169

■ 42.1156, 45.3287,
20.7169

■ 40.3547, 43.3061,
15.5084

■ 44.1434, 47.5021,
27.1960

■ 38.8408, 41.4208,
11.4813

■ 46.4500, 49.8262,
35.0213

■ 37.5562, 39.6672,
8.5390

■ 49.0502, 52.3091,
44.2658

■ 36.4794, 38.0363,
6.5687

■ 51.9570, 54.9563,
54.9963

■ 35.5837, 36.5170,
5.4315

■ 55.1825, 57.7730,
67.2756

■ 35.2125, 35.8535,
5.0645

■ 58.7381, 60.7640,
81.1626

■ 62.6345, 63.9341,
96.7132

■ 64.9914, 66.5313,
104.0241

■ 66.0525, 68.6535,
104.3778

Harmonies

Analogous

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



48.9847, 45.3287, 22.7940



42.1156, 45.3287, 20.7169



36.1527, 45.3287, 24.5039

Triad

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



42.1156, 45.3287, 20.7169



33.1926, 45.3287, 73.5013



55.9193, 45.3287, 67.3709

Complementary

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



42.1156, 45.3287, 20.7169



23.9665, 22.4433, 56.4948

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.



50.8480, 45.3287, 87.0389



42.1156, 45.3287, 20.7169



37.6765, 45.3287, 91.1800

Square

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



42.1156, 45.3287, 20.7169



31.3551, 45.3287, 52.2015



44.0663, 45.3287, 96.6890



57.4231, 45.3287, 46.6144

Rectangle

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



42.1156, 45.3287, 20.7169



33.3476, 45.3287, 30.6263



44.0663, 45.3287, 96.6890



54.5509, 45.3287, 74.4882

Sweetspot

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



42.1167, 45.3308, 20.7178



87.4690, 93.1968, 80.6038



32.5150, 24.2767, 23.2226



18.4932, 19.7349, 16.4225



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.



42.1167, 45.3308, 20.7178



71.3534, 76.5587, 27.1609



40.0243, 50.2983, 21.7869



11.3266, 12.0223, 11.2863



22.9633, 23.4439, 3.3148



1.1363, 1.2081, 0.1733

Inverse Universe

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



23.9665, 22.4433, 56.4948



35.1139, 30.9008, 98.7215



25.3080, 19.8302, 55.9198



10.2351, 10.6443, 13.4326



7.2136, 3.8211, 35.1017



0.3957, 0.2891, 1.6801

Previews

White Background



This preview shows how the XYZ color 42.1156, 45.3287, 20.7169 looks on a white background.

Color Contrast Check

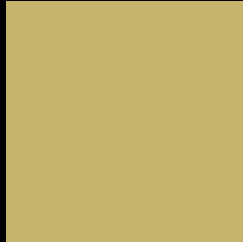
Large Text (above 18pt) WCAG AA × Fail

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 42.1156, 45.3287, 20.7169 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 42.1156, 45.3287, 20.7169

Background



This preview shows how black text looks on a background with the XYZ color 42.1156, 45.3287, 20.7169.



This preview shows how white text looks on a background with the XYZ color 42.1156, 45.3287,

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

42.1156, 45.3287, 20.7169

Protanopia

41.7930, 45.4610, 20.7595

Deuteranopia

45.9927, 45.0033, 21.0143



Tritanopia

48.3756, 45.2902, 50.9920

Trichromacy



Original Color

42.1156, 45.3287, 20.7169

Protanomaly

42.0540, 45.5955, 20.7717

Deuteranomaly

44.4747, 45.0779, 20.8248

Tritanomaly

45.5729, 44.9840, 37.7333

Monochromacy



Original Color

42.1156, 45.3287, 20.7169

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.5955, 44.4221, 36.0878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1156, 45.3287, 20.7169 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(198, 179, 108)` looks like.

```
.text, #text, p{  
    color:rgb(198, 179, 108)  
}
```

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(198, 179, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 179, 108) }
```

Border

The CSS property to change the border of an element to XYZ 42.1156, 45.3287, 20.7169 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(198, 179, 108) }
```


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

```
.border{ border-color:rgb(198, 179, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 179, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 179, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 179, 108);  
box-shadow:4px 4px 4px 4px rgb(198, 179,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1156, 45.3287, 20.7169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 179, 108) }
```

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

```
.background{ background-color: rgb(198,  
179, 108) }
```

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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