

Converting Colors

XYZ(42.3850, 45.3990, 43.6120)

Have a look what the booklet for
XYZ(42.3850, 45.3990, 43.6120)
contains.

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Color

**XYZ(42.2115, 45.1730,
43.5403)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B4A8
RGB	180, 180, 168
RGB Percent	71%, 71%, 66%
CMY	0.2941, 0.2941, 0.3412
CMYK	0.00, 0.00, 0.07, 0.29
HSL	60°, 7%, 68%
HSV	60°, 7%, 71%
XYZ	42.2115, 45.1730, 43.5403
YIQ	178.6320, 3.8520, -3.7320

Conversions

Conversions Part 2

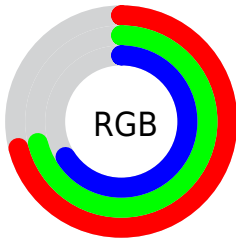
Format	Color
RYB	168, 180, 168
Decimal	11842728
CIELab	73.01, -2.17, 6.11
CIELCh	73, 6.485, 109.540
Yxy	45.1730, 0.3224, 0.3450
Android (android.graphics.Color)	4290032808 (0xFFB4B4A8)
YUV	178.6320, -5.2416, 1.1997
Hunter-Lab	67.2109, -5.5128, 8.6386

Details

The XYZ color **42.2115, 45.1730, 43.5403** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **38.3912, 39.6267, 48.8078**, and the grayscale version is **42.6785, 44.9011, 48.8974**.

A 20% lighter version of the original color is **77.9068, 83.1515, 81.7558**, and **19.4942, 20.9517, 19.5396** is the 20% darker color. If you saturate the color by 10%, you get **40.6484, 44.5491, 35.3110**, and if you desaturate by 10%, it is **44.0093, 45.8937, 52.9943**.

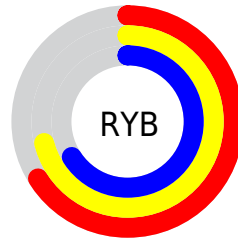
Distribution



Red (71%)

Green (71%)

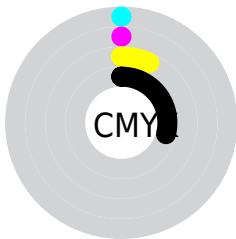
Blue (66%)



Red (66%)

Yellow (71%)

Blue (66%)

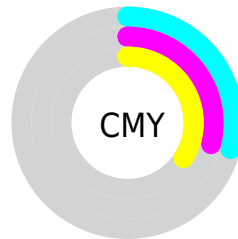


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (29%)



Cyan (29%)

Magenta (29%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2115, 45.1730, 43.5403 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 42.2115, 45.1730, 43.5403 by changing the saturation by 10% instead.

■ 42.2115, 45.1730,
43.5403

■ 42.2115, 45.1730,
43.5403

346.3357,
367.4738, 376.8154

■ 29.4588, 31.5937,
29.9747

■ 77.7828, 82.9800,
81.8206

■ 19.5742, 21.0514,
19.5675

101.3320,
107.9764, 107.3725

■ 12.1923, 13.1616,
11.9001

129.2109,
137.5474, 137.7569

■ 6.9479, 7.5399,
6.5540

161.7846,
172.0773, 173.3923

■ 3.4756, 3.8020,
3.1106

199.4186,
211.9505, 214.6973

■ 1.4100, 1.5634,
1.1514

242.4782,

■ 0.2633, 0.3327,

257.5513, 262.0905

0.0000

291.3288,
309.2643, 315.9903

■ 0.0000, 0.0000,
0.0000

■ 42.2115, 45.1730,
43.5403

■ 42.2115, 45.1730,
43.5403

■ 40.6484, 44.5491,
35.3110

■ 44.0093, 45.8937,
52.9943

■ 39.3068, 44.0123,
28.2535

■ 46.0469, 46.7089,
63.7170

■ 38.1778, 43.5605,
22.3154

■ 48.3341, 47.6240,
75.7541

■ 37.2505, 43.1894,
17.4393

■ 50.8790, 48.6421,
89.1479

■ 36.5129, 42.8942,
13.5625

■ 53.2017, 49.5714,
101.3719

■ 35.9519, 42.6697,
10.6160

■ 53.2031, 49.5721,
101.3720

■ 35.5529, 42.5099,
8.5217

■ 53.2045, 49.5728,
101.3721

■ 35.2984, 42.4079,
7.1892

■ 53.2059, 49.5735,
101.3721

■ 35.1650, 42.3544,
6.4940

■ 53.2073, 49.5742,
101.3722

Harmonies

Analogous

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



43.3321, 45.1730, 43.3052



42.2115, 45.1730, 43.5403



41.3002, 45.1730, 45.2494

Triad

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



42.2115, 45.1730, 43.5403



41.5382, 45.1730, 54.0841



45.1124, 45.1730, 50.3265

Complementary

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



42.2115, 45.1730, 43.5403



38.3912, 39.6267, 48.8078

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.



44.6135, 45.1730, 53.3440



42.2115, 45.1730, 43.5403



42.5415, 45.1730, 55.5758

Square

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



42.2115, 45.1730, 43.5403



40.9162, 45.1730, 51.3008



43.6679, 45.1730, 55.2992



45.0203, 45.1730, 47.1296

Rectangle

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



42.2115, 45.1730, 43.5403



40.9278, 45.1730, 47.0381



43.6679, 45.1730, 55.2992



45.0079, 45.1730, 51.3977

Sweetspot

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



42.2127, 45.1750, 43.5413



77.9924, 82.4898, 86.6067



39.8944, 40.5369, 42.7682



16.8646, 17.8320, 18.7588



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.2127, 45.1750, 43.5413



76.0939, 81.7301, 76.6168



40.8464, 44.4706, 43.4773



9.1968, 9.9065, 9.0800



24.5185, 29.5498, 4.4114



0.7715, 0.9298, 0.1388

Inverse Universe

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



38.3912, 39.6267, 48.8078



67.7216, 69.5751, 88.1546



39.6978, 40.3003, 48.8689



8.0422, 8.2303, 10.6711



5.7504, 2.3002, 30.2779



0.1810, 0.0724, 0.9527

Previews

White Background



This preview shows how the XYZ color 42.2115, 45.1730, 43.5403 looks on a white background.

Color Contrast Check

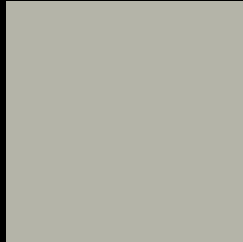
Large Text (above 18pt) WCAG AA × Fail

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 42.2115, 45.1730, 43.5403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

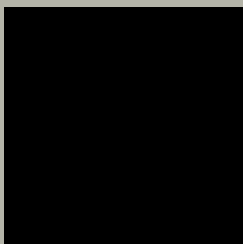
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

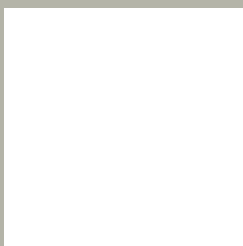
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2115, 45.1730, 43.5403

Background



This preview shows how black text looks on a background with the XYZ color 42.2115, 45.1730, 43.5403.



This preview shows how white text looks on a background with the XYZ color 42.2115, 45.1730,

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

42.2115, 45.1730, 43.5403

Protanopia

42.9030, 44.9451, 42.9733

Deuteranopia

45.9244, 45.0311, 43.8075



Tritanopia

44.6545, 45.2731, 55.6753

Trichromacy



Original Color

42.2115, 45.1730, 43.5403

Protanomaly

42.6236, 45.0975, 43.0174

Deuteranomaly

44.6791, 45.2527, 43.9159

Tritanomaly

43.7590, 45.2048, 51.2188

Monochromacy



Original Color

42.2115, 45.1730, 43.5403

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.4484, 44.9191, 46.9904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2115, 45.1730, 43.5403 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(180, 180, 168)` looks like.

```
.text, #text, p{  
    color:rgb(180, 180, 168)  
}
```

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(180, 180, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 180, 168) }
```

Border

The CSS property to change the border of an element to XYZ 42.2115, 45.1730, 43.5403 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(180, 180, 168) }
```


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

```
.border{ border-color:rgb(180, 180, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 180, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 180, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 180, 168); box-shadow:4px 4px 4px 4px rgb(180, 180, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2115, 45.1730, 43.5403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 180, 168) }
```

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

```
.background{ background-color: rgb(180,  
180, 168) }
```

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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