

Converting Colors

XYZ(42.5004, 45.3421, 8.1409)

Have a look what the booklet for
XYZ(42.5004, 45.3421, 8.1409)
contains.

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Color

**XYZ(42.3351, 45.1270,
8.1481)**

Conversions

Conversions Part 1

Format	Color
Hex	D1B124
RGB	209, 177, 36
RGB Percent	82%, 69%, 14%
CMY	0.1804, 0.3059, 0.8588
CMYK	0.00, 0.15, 0.83, 0.18
HSL	49°, 71%, 48%
HSV	49°, 83%, 82%
XYZ	42.3351, 45.1270, 8.1481
YIQ	170.4940, 64.3330, -37.0670

Conversions

Conversions Part 2

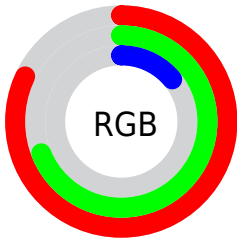
Format	Color
RYB	75, 209, 36
Decimal	13742372
CIELab	72.98, -1.67, 69.13
CIELCh	73, 69.145, 91.381
Yxy	45.1270, 0.4428, 0.4720
Android (android.graphics.Color)	4291932452 (0xFFD1B124)
YUV	170.4940, -66.3055, 33.7698
Hunter-Lab	67.1766, -5.0674, 39.8321

Details

The XYZ color **42.3351, 45.1270, 8.1481** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **14.3034, 9.1128, 61.3263**, and the grayscale version is **38.7553, 40.7736, 44.4025**.

A 20% lighter version of the original color is **72.1622, 79.7994, 22.4260**, and **19.9113, 21.1513, 3.0332** is the 20% darker color. If you saturate the color by 10%, you get **41.3518, 43.5311, 6.6788**, and if you desaturate by 10%, it is **43.5281, 46.8450, 10.6064**.

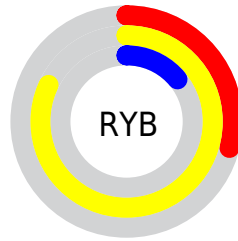
Distribution



Red (82%)

Green (69%)

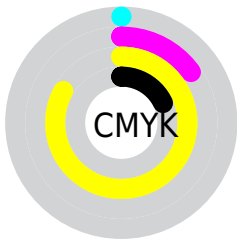
Blue (14%)



Red (29%)

Yellow (82%)

Blue (14%)

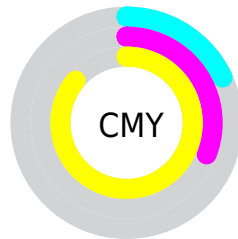


Cyan (0%)

Magenta (15%)

Yellow (83%)

Black (18%)



Cyan (18%)


Magenta (31%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3351, 45.1270, 8.1481 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 42.3351, 45.1270, 8.1481 by changing the saturation by 10% instead.

 42.3351, 45.1270,
8.1481


 42.3351, 45.1270,
8.1481


346.8382,
367.2877, 186.8668

 29.5560, 31.5575,
4.1007


 77.9685, 82.9110,
22.7992


 19.6482, 21.0237,
1.6808


 101.5536,
107.8942, 34.2400


 12.2464, 13.1413,
0.3475


 129.4713,
137.4507, 48.9824

 6.9851, 7.5259,
0.0000

 162.0872,
171.9651, 67.4449

 3.4990, 3.7931,
0.0000

 199.7664,
211.8215, 90.0461

 1.4228, 1.5585,
0.0000

 242.8744,

 0.2724, 0.3294,

257.4045, 117.2044

0.0000

291.7766,
309.0984, 149.3385

■ 0.0000, 0.0000,
0.0000

■ 42.3351, 45.1270,
8.1481

■ 42.3351, 45.1270,
8.1481

■ 41.3518, 43.5311,
6.6788

■ 43.5281, 46.8450,
10.6064

■ 40.7341, 42.4349,
6.0438

■ 44.9563, 48.6902,
14.2000

■ 46.6444, 50.6744,
19.0535

■ 48.6129, 52.8063,
25.2746

■ 50.8802, 55.0934,
32.9593

■ 53.4632, 57.5428,
42.1951

■ 56.3772, 60.1607,
53.0625

■ 59.6366, 62.9534,
65.6364

■ 63.2550, 65.9263,
79.9871

Harmonies

Analogous

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



54.9911, 45.1270, 10.8450



42.3351, 45.1270, 8.1481



31.9100, 45.1270, 11.4404

Triad

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



42.3351, 45.1270, 8.1481



25.9782, 45.1270, 92.4893



66.6500, 45.1270, 88.3247

Complementary

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



42.3351, 45.1270, 8.1481



14.3034, 9.1128, 61.3263

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.



56.1421, 45.1270, 130.4845



42.3351, 45.1270, 8.1481



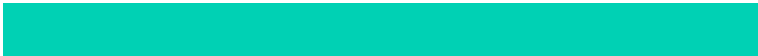
32.7118, 45.1270, 133.5797

Square

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



42.3351, 45.1270, 8.1481



23.6284, 45.1270, 50.7546



43.4535, 45.1270, 149.9830



70.5159, 45.1270, 47.5515

Rectangle

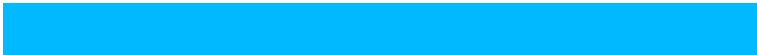
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.3351, 45.1270, 8.1481



27.1993, 45.1270, 18.2391



43.4535, 45.1270, 149.9830



63.6911, 45.1270, 103.3638

Sweetspot

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



42.3361, 45.1292, 8.1490



82.7850, 89.2596, 62.3002



28.0501, 15.2672, 7.3634



17.4086, 18.8116, 12.2198



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.



42.3361, 45.1292, 8.1490



63.8859, 66.5294, 9.5475



37.0432, 52.9063, 9.9291



12.6098, 13.4103, 12.5359



25.1829, 26.2987, 3.7489



1.4574, 1.5692, 0.2261

Inverse Universe

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



14.3034, 9.1128, 61.3263



19.1902, 9.4531, 95.4209



16.1550, 7.9356, 61.0014



11.3380, 11.7664, 14.9172



7.5891, 3.8249, 37.5308



0.4787, 0.3225, 2.1166

Previews

White Background



This preview shows how the XYZ color 42.3351, 45.1270, 8.1481 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 42.3351, 45.1270, 8.1481 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 42.3351, 45.1270, 8.1481

Background



This preview shows how black text looks on a background with the XYZ color 42.3351, 45.1270, 8.1481.



This preview shows how white text looks on a background with the XYZ color 42.3351, 45.1270,

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

42.3351, 45.1270, 8.1481

Protanopia

41.0123, 45.3326, 8.3388

Deuteranopia

46.1218, 45.0714, 8.2763



Tritanopia

50.4045, 45.0300, 48.1545

Trichromacy



Original Color

42.3351, 45.1270, 8.1481

Protanomaly

41.6309, 45.3529, 8.3101

Deuteranomaly

44.8250, 45.2493, 8.2909

Tritanomaly

45.9782, 44.3294, 25.8718

Monochromacy



Original Color

42.3351, 45.1270, 8.1481

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1619, 41.4580, 24.0800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3351, 45.1270, 8.1481 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(209, 177, 36)` looks like.

```
.text, #text, p{  
    color:rgb(209, 177, 36)  
}
```

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(209, 177, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 177, 36) }
```

Border

The CSS property to change the border of an element to XYZ 42.3351, 45.1270, 8.1481 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(209, 177, 36) }
```


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

```
.border{ border-color:rgb(209, 177, 36) }
```

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

Here you see how a box with a 4 pixel rgb(209, 177, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 177, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 177, 36);  
box-shadow:4px 4px 4px 4px rgb(209, 177,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3351, 45.1270, 8.1481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 177, 36) }
```

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

```
.background{ background-color: rgb(209,  
177, 36) }
```

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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