

Converting Colors

XYZ(42.1565, 50.1070, 11.9356)

Have a look what the booklet for
XYZ(42.1565, 50.1070, 11.9356)
contains.

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Color

**XYZ(42.1536, 50.2688,
12.0386)**

Conversions

Conversions Part 1

Format	Color
Hex	C1C23E
RGB	193, 194, 62
RGB Percent	76%, 76%, 24%
CMY	0.2431, 0.2392, 0.7568
CMYK	0.01, 0.00, 0.68, 0.24
HSL	60°, 52%, 50%
HSV	60°, 68%, 76%
XYZ	42.1536, 50.2688, 12.0386
YIQ	178.6530, 41.7760, -41.2640

Conversions

Conversions Part 2

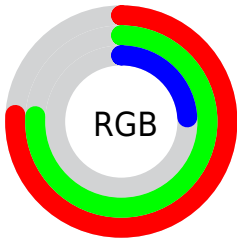
Format	Color
RYB	62, 194, 63
Decimal	12698174
CIELab	76.23, -16.26, 63.03
CIElCh	76, 65.095, 104.464
Yxy	50.2688, 0.4035, 0.4812
Android (android.graphics.Color)	4290888254 (0xFFC1C23E)
YUV	178.6530, -57.5099, 12.5823
Hunter-Lab	70.9005, -17.9494, 39.5632

Details

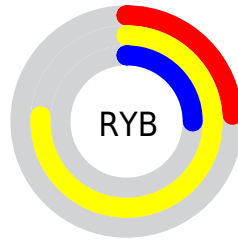
The XYZ color **42.1536, 50.2688, 12.0386** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.5117, 8.3982, 51.9509**, and the grayscale version is **42.9450, 45.1815, 49.2026**.

A 20% lighter version of the original color is **77.5414, 90.3510, 30.1822**, and **19.6782, 24.2840, 3.6501** is the 20% darker color. If you saturate the color by 10%, you get **41.6763, 50.0754, 9.7166**, and if you desaturate by 10%, it is **42.8233, 50.5429, 15.3632**.

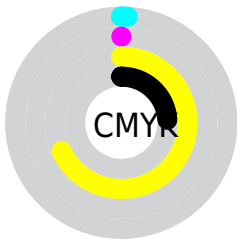
Distribution



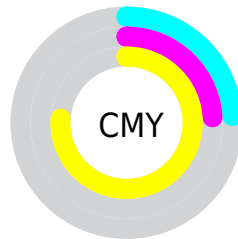
- Red (76%)
- Green (76%)
- Blue (24%)



- Red (24%)
- Yellow (76%)
- Blue (25%)



- Cyan (1%)
- Magenta (0%)
- Yellow (68%)
- Black (24%)



- Cyan (24%)
- Magenta (24%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1536, 50.2688, 12.0386 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 42.1536, 50.2688, 12.0386 by changing the saturation by 10% instead.

■ 42.1536, 50.2688,
12.0386

■ 42.1536, 50.2688,
12.0386

346.1001,
387.7162, 215.6476

■ 29.4132, 35.6270,
6.6471

■ 77.6957, 90.5730,
30.2308

■ 19.5395, 24.1463,
3.1673

■ 101.2282,
117.0042, 43.8687

■ 12.1671, 15.4422,
1.1807

■ 129.0888,
148.1341, 61.0924

■ 6.9306, 9.1303,
0.0000

■ 161.6427,
184.3469, 82.3204

■ 3.4647, 4.8263,
0.0000

■ 199.2555,
226.0272, 107.9715

■ 1.4040, 2.1457,
0.0000

242.2924,

■ 0.2591, 0.6901,

273.5592, 138.4640

0.0000

291.1188,
327.3274, 174.2165

■ 0.0000, 0.0000,
0.0000

■ 42.1536, 50.2688,
12.0386

■ 42.1536, 50.2688,
12.0386

■ 41.6763, 50.0754,
9.7166

■ 42.8233, 50.5429,
15.3632

■ 41.3665, 49.9471,
8.2819

■ 43.7000, 50.8980,
19.7832

■ 41.1931, 49.8734,
7.5646

■ 44.8011, 51.3427,
25.3839

■ 41.1649, 49.8613,
7.4546

■ 46.1409, 51.8830,
32.2418

■ 47.7327, 52.5241,
40.4267

■ 49.5888, 53.2710,
50.0033

■ 51.7208, 54.1281,
61.0321

■ 54.1394, 55.1000,
73.5702

■ 56.8549, 56.1905,
87.6713

Harmonies

Analogous

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



54.3450, 50.2688, 12.1577



42.1536, 50.2688, 12.0386



33.1530, 50.2688, 19.4129

Triad

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



42.1536, 50.2688, 12.0386



32.9100, 50.2688, 116.6047



74.1456, 50.2688, 74.7838

Complementary

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



42.1536, 50.2688, 12.0386



13.5117, 8.3982, 51.9509

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.



66.1758, 50.2688, 118.0844



42.1536, 50.2688, 12.0386



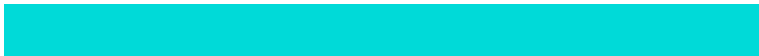
41.7643, 50.2688, 148.3904

Square

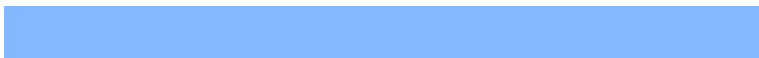
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.1536, 50.2688, 12.0386



28.4660, 50.2688, 73.2969



53.8838, 50.2688, 149.0246



74.2981, 50.2688, 39.6042

Rectangle

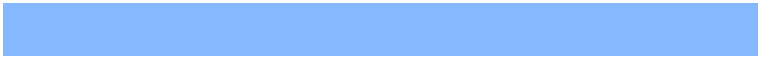
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1536, 50.2688, 12.0386



29.5768, 50.2688, 30.5711



53.8838, 50.2688, 149.0246



72.2385, 50.2688, 89.1232

Sweetspot

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



42.1548, 50.2711, 12.0396



85.7764, 94.8738, 69.6439



24.8420, 15.2637, 6.1950



18.5993, 20.7020, 14.3004



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.



42.1548, 50.2711, 12.0396



75.1719, 90.5823, 16.0495



29.0654, 43.5233, 11.4271



10.9056, 11.7543, 10.7559



27.0665, 32.7821, 4.9010



1.1719, 1.4177, 0.2119

Inverse Universe

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



13.5117, 8.3982, 51.9509



19.7705, 9.5722, 93.2754



20.3639, 11.9306, 52.2716



9.5353, 9.7516, 12.6645



6.4175, 2.5688, 33.7142



0.2798, 0.1123, 1.4568

Previews

White Background



This preview shows how the XYZ color 42.1536, 50.2688, 12.0386 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 42.1536, 50.2688, 12.0386 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 42.1536, 50.2688, 12.0386

Background



This preview shows how black text looks on a background with the XYZ color 42.1536, 50.2688, 12.0386.



This preview shows how white text looks on a background with the XYZ color 42.1536, 50.2688,

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

42.1536, 50.2688, 12.0386

Protanopia

45.3772, 49.9943, 11.5332

Deuteranopia

50.8955, 49.7506, 12.3892



Tritanopia

51.5510, 49.9670, 58.5573

Trichromacy



Original Color

42.1536, 50.2688, 12.0386

Protanomaly

44.1576, 50.0012, 11.7387

Deuteranomaly

47.3373, 49.7344, 12.2590

Tritanomaly

46.9128, 49.6419, 34.7130

Monochromacy



Original Color

42.1536, 50.2688, 12.0386

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.3516, 46.2489, 30.0400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1536, 50.2688, 12.0386 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(193, 194, 62)` looks like.

```
.text, #text, p{  
    color:rgb(193, 194, 62)  
}
```

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(193, 194, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 194, 62) }
```

Border

The CSS property to change the border of an element to XYZ 42.1536, 50.2688, 12.0386 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(193, 194, 62) }
```


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

```
.border{ border-color:rgb(193, 194, 62) }
```

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

Here you see how a box with a 4 pixel rgb(193, 194, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 194, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 194, 62);  
box-shadow:4px 4px 4px 4px rgb(193, 194,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1536, 50.2688, 12.0386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 194, 62) }
```

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

```
.background{ background-color: rgb(193,  
194, 62) }
```

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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