

Converting Colors

XYZ(38.1651, 42.1488, 6.1241)

Have a look what the booklet for
XYZ(38.1651, 42.1488, 6.1241)
contains.

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Color

**XYZ(38.1620, 42.1424,
6.1229)**

Conversions

Conversions Part 1

Format	Color
Hex	C5AE00
RGB	197, 174, 0
RGB Percent	77%, 68%, 0%
CMY	0.2275, 0.3176, 0.9999
CMYK	0.00, 0.12, 1.00, 0.23
HSL	53°, 100%, 39%
HSV	53°, 100%, 77%
XYZ	38.1620, 42.1424, 6.1229
YIQ	161.0410, 69.5620, -49.2380

Conversions

Conversions Part 2

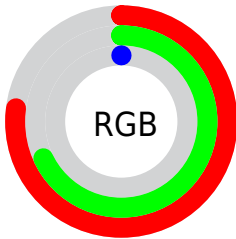
Format	Color
R _Y B	26, 197, 0
Decimal	12955136
CIE Lab	70.97, -6.00, 73.32
CIE LCh	71, 73.568, 94.679
Yxy	42.1424, 0.4416, 0.4876
Android (android.graphics.Color)	4291145216 (0xFFC5AE00)
YUV	161.0410, -79.3932, 31.5360
Hunter-Lab	64.9172, -8.6726, 39.8499

Details

The XYZ color **38.1620, 42.1424, 6.1229** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **10.3848, 4.6445, 53.1720**, and the grayscale version is **34.2321, 36.0149, 39.2202**.

A 20% lighter version of the original color is **70.6706, 77.8631, 18.7015**, and **17.4408, 19.3223, 2.8104** is the 20% darker color. If you saturate the color by 10%, you get **38.1625, 42.1437, 6.1232**, and if you desaturate by 10%, it is **38.7347, 43.0901, 6.9243**.

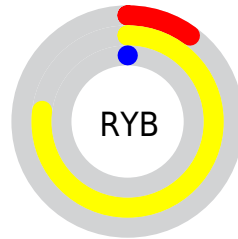
Distribution



Red (77%)

Green (68%)

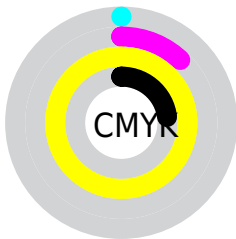
Blue (0%)



Red (10%)

Yellow (77%)

Blue (0%)

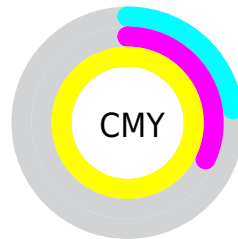


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1620, 42.1424, 6.1229 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 38.1620, 42.1424, 6.1229 by changing the saturation by 10% instead.


 38.1620, 42.1424,
6.1229


 38.1620, 42.1424,
6.1229


329.5832,
355.0729, 169.5071

 26.2862, 29.2128,
2.8500


 71.6587, 78.4151,
18.6675

 17.1717, 19.2419,
1.0185


 94.0103, 102.5270,
28.7763

 10.4530, 11.8452,
0.0000


 120.5846,
131.1351, 42.0007

 5.7649, 6.6383,
0.0000

 151.7468,
164.6239, 58.7594

 2.7420, 3.2370,
0.0000

 187.8625,
203.3776, 79.4708

 1.0188, 1.2567,
0.0000

 229.2969,

 0.0000, 0.1073,

247.7808, 104.5535

0.0000

276.4153,
298.2177, 134.4261

■ 0.0000, 0.0000,
0.0000

■ 38.1620, 42.1424,
6.1229

■ 38.1620, 42.1424,
6.1229

■ 38.1625, 42.1437,
6.1232

■ 38.7347, 43.0901,
6.9243

■ 39.4399, 44.1014,
8.3895

■ 40.3226, 45.1959,
10.7519

■ 41.4059, 46.3831,
14.1325

■ 42.7092, 47.6707,
18.6336

■ 44.2497, 49.0656,
24.3451

■ 46.0427, 50.5740,
31.3477

■ 48.1023, 52.2017,
39.7150

■ 50.4414, 53.9537,
49.5154

Harmonies

Analogous

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



51.0114, 42.1424, 7.9085



38.1620, 42.1424, 6.1229



28.0796, 42.1424, 9.7404

Triad

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



38.1620, 42.1424, 6.1229



23.6233, 42.1424, 96.0398



65.3772, 42.1424, 81.2568

Complementary

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



38.1620, 42.1424, 6.1229



10.3848, 4.6445, 53.1720

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.



55.0272, 42.1424, 126.8495



38.1620, 42.1424, 6.1229



30.7919, 42.1424, 138.0139

Square

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



38.1620, 42.1424, 6.1229



20.8486, 42.1424, 51.6187



42.0098, 42.1424, 151.4810



68.4562, 42.1424, 40.5941

Rectangle

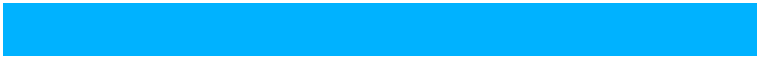
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.1620, 42.1424, 6.1229



23.7301, 42.1424, 16.8669



42.0098, 42.1424, 151.4810



62.5423, 42.1424, 97.0577

Sweetspot

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



38.1629, 42.1444, 6.1237



82.3033, 90.4487, 55.5037



23.2156, 11.9464, 2.0761



17.3119, 19.1076, 10.6788



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.



38.1629, 42.1444, 6.1237



68.2284, 75.2369, 10.9261



28.3904, 44.2751, 7.0501



11.4141, 12.1974, 11.3155



25.1412, 27.7995, 4.0408



1.2211, 1.3777, 0.2016

Inverse Universe

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



10.3848, 4.6445, 53.1720



18.5084, 8.1368, 95.2028



12.7688, 5.4186, 53.1958



10.1548, 10.4836, 13.4058



6.8625, 3.1190, 34.9847



0.3591, 0.2160, 1.6679

Previews

White Background



This preview shows how the XYZ color 38.1620, 42.1424, 6.1229 looks on a white background.

Color Contrast Check

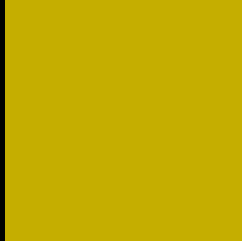
Large Text (above 18pt) WCAG AA × Fail

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 38.1620, 42.1424, 6.1229 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 38.1620, 42.1424, 6.1229

Background



This preview shows how black text looks on a background with the XYZ color 38.1620, 42.1424, 6.1229.



This preview shows how white text looks on a background with the XYZ color 38.1620, 42.1424,

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

38.1620, 42.1424, 6.1229

Protanopia

37.9120, 42.0122, 6.1684

Deuteranopia

43.1057, 42.1801, 6.5791



Tritanopia

46.2924, 42.1621, 45.7426

Trichromacy



Original Color

38.1620, 42.1424, 6.1229

Protanomaly

37.9065, 42.0101, 6.1396

Deuteranomaly

41.2267, 42.0314, 6.3208

Tritanomaly

41.1341, 41.1166, 20.8072

Monochromacy



Original Color

38.1620, 42.1424, 6.1229

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.4901, 37.2304, 17.9914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1620, 42.1424, 6.1229 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(197, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 174, 0)  
}
```

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(197, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 174, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.1620, 42.1424, 6.1229 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(197, 174, 0) }
```


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

```
.border{ border-color:rgb(197, 174, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 174, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 174,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1620, 42.1424, 6.1229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 174, 0) }
```

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

```
.background{ background-color: rgb(197,  
174, 0) }
```

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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