

Converting Colors

XYZ(34.4214, 38.2459, 6.1403)

Have a look what the booklet for
XYZ(34.4214, 38.2459, 6.1403)
contains.

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Color

**XYZ(34.4214, 38.2459,
6.1403)**

Conversions

Conversions Part 1

Format	Color
Hex	BBA712
RGB	187, 167, 18
RGB Percent	73%, 65%, 7%
CMY	0.2667, 0.3451, 0.9294
CMYK	0.00, 0.11, 0.90, 0.27
HSL	53°, 82%, 40%
HSV	53°, 90%, 73%
XYZ	34.4214, 38.2459, 6.1403
YIQ	155.9940, 59.7490, -42.0990

Conversions

Conversions Part 2

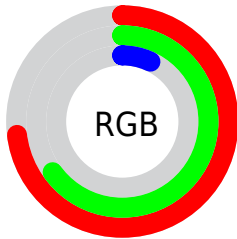
Format	Color
R _Y B	41, 187, 18
Decimal	12298002
CIE Lab	68.20, -6.54, 68.48
CIE LCh	68, 68.791, 95.456
Yxy	38.2459, 0.4368, 0.4853
Android (android.graphics.Color)	4290488082 (0xFFBBA712)
YUV	155.9940, -68.0310, 27.1923
Hunter-Lab	61.8433, -8.8742, 37.4035

Details

The XYZ color **34.4214, 38.2459, 6.1403** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.9125, 5.1031, 47.4758**, and the grayscale version is **31.8741, 33.5341, 36.5186**.

A 20% lighter version of the original color is **66.0404, 72.6412, 18.7241**, and **15.2987, 17.1579, 2.5055** is the 20% darker color. If you saturate the color by 10%, you get **33.9258, 37.4296, 5.4365**, and if you desaturate by 10%, it is **35.0512, 39.1535, 7.4366**.

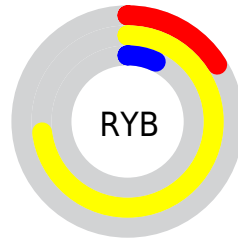
Distribution



Red (73%)

Green (65%)

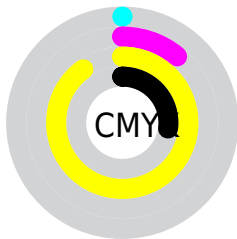
Blue (7%)



Red (16%)

Yellow (73%)

Blue (7%)

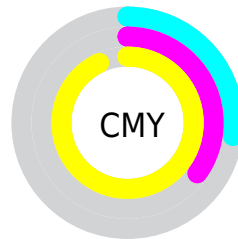


Cyan (0%)

Magenta (11%)

Yellow (90%)

Black (27%)



Cyan (27%)


Magenta (35%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4214, 38.2459, 6.1403 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 34.4214, 38.2459, 6.1403 by changing the saturation by 10% instead.


 34.4214, 38.2459,
6.1403


 34.4214, 38.2459,
6.1403


313.5599,
338.6736, 169.6662


 23.3819, 26.1736,
2.8604


 65.9284, 72.4849,
18.7041


 14.9980, 16.9536,
1.0238


 87.1266, 95.4203,
28.8251

 8.9043, 10.2014,
0.0000


 112.4419,
122.7457, 42.0635

 4.7354, 5.5327,
0.0000

 142.2394,
154.8452, 58.8379

 2.1260, 2.5631,
0.0000

 176.8846,
192.1034, 79.5668

 0.7033, 0.9081,
0.0000

 216.7429,

 0.0000, 0.0000,

234.9046, 104.6688

0.0000

262.1795,
283.6332, 134.5624

■ 34.4214, 38.2459,
6.1403

■ 34.4214, 38.2459,
6.1403

■ 33.9258, 37.4296,
5.4365

■ 35.0512, 39.1535,
7.4366

■ 35.8371, 40.1331,
9.5240

■ 36.8002, 41.1948,
12.5101

■ 37.9577, 42.3456,
16.4851

■ 39.3247, 43.5914,
21.5283

■ 40.9147, 44.9379,
27.7109

■ 42.7401, 46.3899,
35.0980

■ 44.8124, 47.9521,
43.7498

■ 47.1422, 49.6289,
53.7225

Harmonies

Analogous

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



45.6315, 38.2459, 7.6703



34.4214, 38.2459, 6.1403



25.6313, 38.2459, 9.6405

Triad

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



34.4214, 38.2459, 6.1403



21.9803, 38.2459, 86.2861



58.5820, 38.2459, 71.3909

Complementary

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



34.4214, 38.2459, 6.1403



9.9125, 5.1031, 47.4758

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.



49.7085, 38.2459, 110.8694



34.4214, 38.2459, 6.1403



28.4237, 38.2459, 122.0371

Square

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



34.4214, 38.2459, 6.1403



19.4134, 38.2459, 47.5294



38.3526, 38.2459, 132.7400



61.0545, 38.2459, 36.2644

Rectangle

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



34.4214, 38.2459, 6.1403



21.8456, 38.2459, 16.2874



38.3526, 38.2459, 132.7400



56.1738, 38.2459, 85.0373

Sweetspot

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



34.4223, 38.2477, 6.1411



74.1925, 81.2267, 53.2807



21.1021, 11.1546, 3.0971



16.1040, 17.6967, 10.7977



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.4223, 38.2477, 6.1411



60.6462, 66.8063, 9.6985



26.3423, 39.9468, 6.8949



10.2233, 10.9225, 10.1461



23.4100, 25.8588, 3.7574



0.9446, 1.0681, 0.1564

Inverse Universe

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



9.9125, 5.1031, 47.4758



16.4957, 7.2881, 84.7387



12.4921, 5.7251, 47.4599



9.1050, 9.4023, 12.0072



6.4081, 2.9279, 32.6203



0.2814, 0.1754, 1.2879

Previews

White Background



This preview shows how the XYZ color 34.4214, 38.2459, 6.1403 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 34.4214, 38.2459, 6.1403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

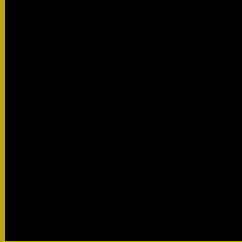
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.4214, 38.2459, 6.1403

Background



This preview shows how black text looks on a background with the XYZ color 34.4214, 38.2459, 6.1403.



This preview shows how white text looks on a background with the XYZ color 34.4214, 38.2459,

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

34.4214, 38.2459, 6.1403

Protanopia

34.6669, 38.3725, 6.1518

Deuteranopia

39.0030, 38.2345, 6.3612



Tritanopia

41.7224, 38.1030, 41.7148

Trichromacy



Original Color

34.4214, 38.2459, 6.1403

Protanomaly

34.6669, 38.3725, 6.1518

Deuteranomaly

37.2669, 38.1122, 6.2564

Tritanomaly

37.3711, 37.3260, 20.8578

Monochromacy



Original Color

34.4214, 38.2459, 6.1403

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.1087, 34.3977, 18.6355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4214, 38.2459, 6.1403 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(187, 167, 18)` looks like.

```
.text, #text, p{  
    color:rgb(187, 167, 18)  
}
```

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(187, 167, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 167, 18) }
```

Border

The CSS property to change the border of an element to XYZ 34.4214, 38.2459, 6.1403 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(187, 167, 18) }
```


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

```
.border{ border-color:rgb(187, 167, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 167, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 167, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 167, 18);  
box-shadow:4px 4px 4px 4px rgb(187, 167,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4214, 38.2459, 6.1403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 167, 18) }
```

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

```
.background{ background-color: rgb(187,  
167, 18) }
```

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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