

Converting Colors

XYZ(40.2143, 50.2240, 8.1363)

Have a look what the booklet for
XYZ(40.2143, 50.2240, 8.1363)
contains.

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Color

**XYZ(40.3251, 50.4153,
8.1780)**

Conversions

Conversions Part 1

Format	Color
Hex	BAC512
RGB	186, 197, 18
RGB Percent	73%, 77%, 7%
CMY	0.2706, 0.2274, 0.9294
CMYK	0.06, 0.00, 0.91, 0.23
HSL	64°, 83%, 42%
HSV	64°, 91%, 77%
XYZ	40.3251, 50.4153, 8.1780
YIQ	173.3050, 50.9030, -58.0010

Conversions

Conversions Part 2

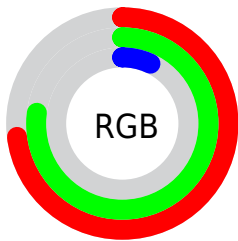
Format	Color
RYB	18, 197, 29
Decimal	12240146
CIELab	76.32, -22.24, 74.79
CIELCh	76, 78.031, 106.559
Yxy	50.4153, 0.4077, 0.5097
Android (android.graphics.Color)	4290430226 (0xFFBAC512)
YUV	173.3050, -76.5654, 11.1335
Hunter-Lab	71.0037, -22.8812, 42.8738

Details

The XYZ color **40.3251, 50.4153, 8.1780** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed chartreuse. A complement of this color would be **10.8025, 4.7260, 53.1694**, and the grayscale version is **40.2390, 42.3346, 46.1024**.

A 20% lighter version of the original color is **74.8928, 90.5480, 22.7628**, and **18.7245, 24.2341, 3.6908** is the 20% darker color. If you saturate the color by 10%, you get **39.9489, 50.2357, 7.5909**, and if you desaturate by 10%, it is **40.8578, 50.6644, 9.4355**.

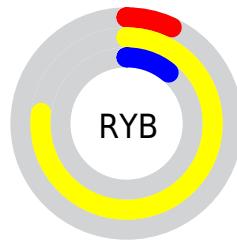
Distribution



Red (73%)

Green (77%)

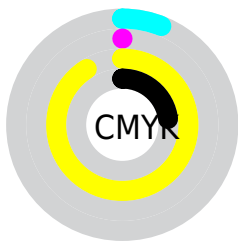
Blue (7%)



Red (7%)

Yellow (77%)

Blue (11%)

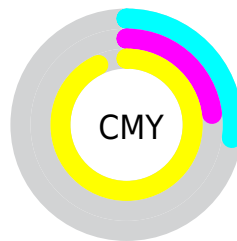


Cyan (6%)

Magenta (0%)

Yellow (91%)

Black (23%)



Cyan (27%)

Magenta (23%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3251, 50.4153, 8.1780 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 40.3251, 50.4153, 8.1780 by changing the saturation by 10% instead.

■ 40.3251, 50.4153,
8.1780

■ 40.3251, 50.4153,
8.1780

338.6029,
388.2878, 187.1080

■ 27.9775, 35.7435,
4.1197

■ 74.9395, 90.7899,
22.8586

■ 18.4490, 24.2362,
1.6912

■ 97.9370, 117.2615,
34.3179

■ 11.3745, 15.5089,
0.3547

■ 125.2151,
148.4351, 49.0812

■ 6.3885, 9.1773,
0.0000

■ 157.1392,
184.6952, 67.5672

■ 3.1256, 4.8570,
0.0000

■ 194.0747,
226.4261, 90.1943

■ 1.2205, 2.1636,
0.0000

■ 236.3869,

■ 0.1225, 0.7000,

274.0122, 117.3811

0.0000

284.4412,
327.8380, 149.5462

■ 0.0000, 0.0000,
0.0000

■ 40.3251, 50.4153,
8.1780

■ 40.3251, 50.4153,
8.1780

■ 39.9489, 50.2357,
7.5909

■ 40.8578, 50.6644,
9.4355

■ 41.5595, 50.9795,
11.5751

■ 42.4548, 51.3724,
14.7209

■ 43.5634, 51.8508,
18.9766

■ 44.9024, 52.4217,
24.4329

■ 46.4874, 53.0913,
31.1712

■ 48.3325, 53.8652,
39.2658

■ 50.4507, 54.7487,
48.7852

■ 52.8541, 55.7465,
59.7936

Harmonies

Analogous

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



54.7734, 50.4153, 7.8626



40.3251, 50.4153, 8.1780



30.2270, 50.4153, 15.9928

Triad

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



40.3251, 50.4153, 8.1780



31.0318, 50.4153, 136.8479



80.8952, 50.4153, 75.8776

Complementary

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



40.3251, 50.4153, 8.1780



10.8025, 4.7260, 53.1694

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.



71.4373, 50.4153, 131.2157



40.3251, 50.4153, 8.1780



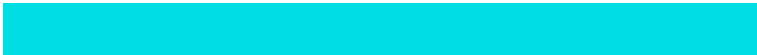
41.6603, 50.4153, 176.7962

Square

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



40.3251, 50.4153, 8.1780



25.6594, 50.4153, 81.2659



56.4093, 50.4153, 174.3281



80.3336, 50.4153, 34.9505

Rectangle

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



40.3251, 50.4153, 8.1780



26.4301, 50.4153, 28.6352



56.4093, 50.4153, 174.3281



78.7115, 50.4153, 93.6771

Sweetspot

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



40.3262, 50.4176, 8.1790



84.3384, 95.5374, 60.5335



23.5278, 12.6970, 1.7836



17.8183, 20.3508, 11.9417



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.



40.3262, 50.4176, 8.1790



71.4647, 89.9265, 13.5910



25.1744, 42.6066, 7.4699



11.4570, 12.3825, 11.3490



26.3007, 33.0538, 4.9938



1.2653, 1.5754, 0.2374

Inverse Universe

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



10.8025, 4.7260, 53.1694



18.2583, 7.3274, 95.0597



17.5589, 8.2091, 53.4856



10.1161, 10.3181, 13.3759



6.7544, 2.7163, 34.9127



0.3414, 0.1397, 1.6541

Previews

White Background



This preview shows how the XYZ color 40.3251, 50.4153, 8.1780 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 40.3251, 50.4153, 8.1780 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 40.3251, 50.4153, 8.1780

Background



This preview shows how black text looks on a background with the XYZ color 40.3251, 50.4153, 8.1780.



This preview shows how white text looks on a background with the XYZ color 40.3251, 50.4153,

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

40.3251, 50.4153, 8.1780

Protanopia

45.4282, 50.4239, 7.7539

Deuteranopia

51.1639, 49.9727, 8.6181



Tritanopia

50.9459, 50.2235, 60.4351

Trichromacy



Original Color

40.3251, 50.4153, 8.1780

Protanomaly

43.5645, 50.4303, 7.8899

Deuteranomaly

46.4842, 49.6921, 8.3039

Tritanomaly

44.7225, 49.2620, 29.3417

Monochromacy



Original Color

40.3251, 50.4153, 8.1780

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.2989, 44.2052, 23.3435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3251, 50.4153, 8.1780 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(186, 197, 18)` looks like.

```
.text, #text, p{  
    color:rgb(186, 197, 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(186, 197, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 197, 18) }
```

Border

The CSS property to change the border of an element to XYZ 40.3251, 50.4153, 8.1780 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(186, 197, 18) }
```


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

```
.border{ border-color:rgb(186, 197, 18) }
```

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

Here you see how a box with a 4 pixel rgb(186, 197, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 197, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 197, 18);  
box-shadow:4px 4px 4px 4px rgb(186, 197,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3251, 50.4153, 8.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 197, 18) }
```

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

```
.background{ background-color: rgb(186,  
197, 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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