

Converting Colors

XYZ(32.1146, 39.1360, 6.6883)

Have a look what the booklet for
XYZ(32.1146, 39.1360, 6.6883)
contains.

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Color

**XYZ(32.0853, 38.9919,
6.6457)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAE17
RGB	171, 174, 23
RGB Percent	67%, 68%, 9%
CMY	0.3294, 0.3176, 0.9098
CMYK	0.02, 0.00, 0.87, 0.32
HSL	61°, 77%, 39%
HSV	61°, 87%, 68%
XYZ	32.0853, 38.9919, 6.6457
YIQ	155.8890, 46.6830, -47.5970

Conversions

Conversions Part 2

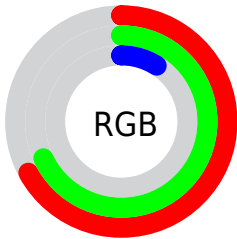
Format	Color
R_{YB}	23, 174, 26
Decimal	11251223
CIE _{Lab}	68.75, -17.14, 67.37
CIE _{LCh}	69, 69.513, 104.273
Yxy	38.9919, 0.4128, 0.5017
Android (android.graphics.Color)	4289441303 (0xFFABAE17)
YUV	155.8890, -65.5143, 13.2523
Hunter-Lab	62.4435, -17.5576, 37.4004

Details

The XYZ color **32.0853, 38.9919, 6.6457** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.3734, 3.8891, 40.3562**, and the grayscale version is **31.8202, 33.4773, 36.4568**.

A 20% lighter version of the original color is **62.3322, 73.5335, 19.7122**, and **13.8990, 17.4965, 2.6446** is the 20% darker color. If you saturate the color by 10%, you get **31.8868, 38.9053, 5.9899**, and if you desaturate by 10%, it is **32.3970, 39.1268, 7.8889**.

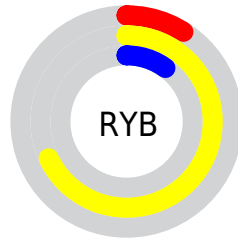
Distribution



Red (67%)

Green (68%)

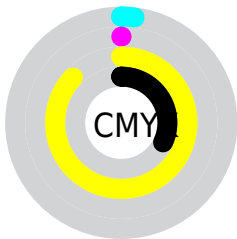
Blue (9%)



Red (9%)

Yellow (68%)

Blue (10%)

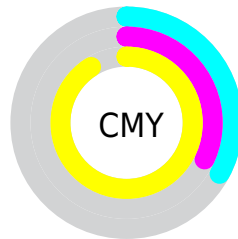


Cyan (2%)

Magenta (0%)

Yellow (87%)

Black (32%)



Cyan (33%)


Magenta (32%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0853, 38.9919, 6.6457 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 32.0853, 38.9919, 6.6457 by changing the saturation by 10% instead.


 32.0853, 38.9919,
6.6457


 32.0853, 38.9919,
6.6457


303.2460,
341.8561, 174.2041

 21.5825, 26.7534,
3.1665


 62.3091, 73.6259,
19.7574

 13.6653, 17.3881,
1.1802


 82.7608, 96.7903,
30.2270


 7.9684, 10.5116,
0.0000


 107.2595,
124.3654, 43.8637

 4.1264, 5.7395,
0.0000

 136.1707,
156.7357, 61.0862

 1.7739, 2.6873,
0.0000

 169.8595,
194.2855, 82.3129

 0.5019, 0.9708,
0.0000

 208.6914,

 0.0000, 0.0000,

237.3992, 107.9624

0.0000

253.0318,
286.4613, 138.4533

■ 32.0853, 38.9919,
6.6457

■ 32.0853, 38.9919,
6.6457

■ 31.8868, 38.9053,
5.9899

■ 32.3970, 39.1268,
7.8889

■ 31.8319, 38.8805,
5.8270

■ 32.8416, 39.3134,
9.8350

■ 33.4359, 39.5598,
12.5680

■ 34.1934, 39.8716,
16.1596

■ 35.1262, 40.2536,
20.6735

■ 36.2454, 40.7101,
26.1672

■ 37.5608, 41.2451,
32.6937

■ 39.0819, 41.8624,
40.3021

■ 40.8173, 42.5655,
49.0384

Harmonies

Analogous

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



43.0966, 38.9919, 6.7620



32.0853, 38.9919, 6.6457



24.1660, 38.9919, 12.1698

Triad

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



32.0853, 38.9919, 6.6457



23.8815, 38.9919, 100.3585



61.3848, 38.9919, 61.0894

Complementary

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



32.0853, 38.9919, 6.6457



8.3734, 3.8891, 40.3562

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.



53.8794, 38.9919, 102.3012



32.0853, 38.9919, 6.6457



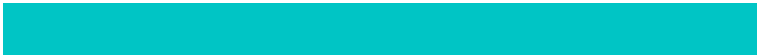
31.6163, 38.9919, 131.5690

Square

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



32.0853, 38.9919, 6.6457



20.1049, 38.9919, 59.2151



42.5254, 38.9919, 132.4171



61.5796, 38.9919, 29.2003

Rectangle

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



32.0853, 38.9919, 6.6457



21.0810, 38.9919, 21.2103



42.5254, 38.9919, 132.4171



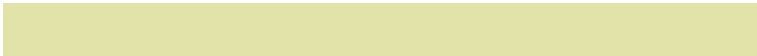
59.5756, 38.9919, 74.5651

Sweetspot

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



32.0862, 38.9937, 6.6465



65.8117, 73.8683, 47.8073



17.9703, 9.7791, 1.7515



14.4649, 16.3519, 9.8249



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.0862, 38.9937, 6.6465



57.7124, 70.5089, 10.5678



20.1146, 32.8221, 6.0862



8.6467, 9.3220, 8.5570



23.0928, 28.2018, 4.2264



0.6473, 0.7870, 0.1178

Inverse Universe

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



8.3734, 3.8891, 40.3562



13.9148, 5.5724, 72.9791



13.3165, 6.4374, 40.5875



7.5931, 7.7645, 10.0512



5.5788, 2.2359, 29.1820



0.1599, 0.0646, 0.8120

Previews

White Background



This preview shows how the XYZ color 32.0853, 38.9919, 6.6457 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 32.0853, 38.9919, 6.6457 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 32.0853, 38.9919, 6.6457

Background



This preview shows how black text looks on a background with the XYZ color 32.0853, 38.9919, 6.6457.



This preview shows how white text looks on a background with the XYZ color 32.0853, 38.9919,

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

32.0853, 38.9919, 6.6457

Protanopia

35.1243, 38.8782, 6.3625

Deuteranopia

39.5508, 38.7607, 6.9104



Tritanopia

40.1866, 39.0031, 45.9677

Trichromacy



Original Color

32.0853, 38.9919, 6.6457

Protanomaly

33.8109, 38.7525, 6.4570

Deuteranomaly

36.2748, 38.3804, 6.7246

Tritanomaly

35.6168, 38.2122, 23.2678

Monochromacy



Original Color

32.0853, 38.9919, 6.6457

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.5019, 34.8542, 19.3073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0853, 38.9919, 6.6457 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(171, 174, 23)` looks like.

```
.text, #text, p{  
    color:rgb(171, 174, 23)  
}
```

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(171, 174, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 174, 23) }
```

Border

The CSS property to change the border of an element to XYZ 32.0853, 38.9919, 6.6457 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(171, 174, 23) }
```


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

```
.border{ border-color:rgb(171, 174, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 174, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 174, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 174, 23);  
box-shadow:4px 4px 4px 4px rgb(171, 174,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0853, 38.9919, 6.6457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 174, 23) }
```

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

```
.background{ background-color: rgb(171,  
174, 23) }
```

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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