

Converting Colors

XYZ(32.7608, 42.2179, 6.1448)

Have a look what the booklet for
XYZ(32.7608, 42.2179, 6.1448)
contains.

XYZ(32.8664, 42.3880, 6.4495)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.8664, 42.3880,
6.4495)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B800
RGB	166, 184, 0
RGB Percent	65%, 72%, 0%
CMY	0.3490, 0.2784, 0.9999
CMYK	0.10, 0.00, 1.00, 0.28
HSL	66°, 100%, 36%
HSV	66°, 100%, 72%
XYZ	32.8664, 42.3880, 6.4495
YIQ	157.6420, 48.3360, -61.0400

Conversions

Conversions Part 2

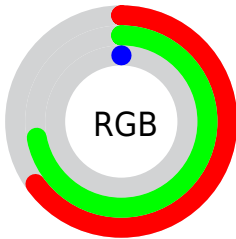
Format	Color
RYB	0, 184, 18
Decimal	10926080
CIELab	71.14, -24.65, 72.27
CIELCh	71, 76.362, 108.830
Yxy	42.3880, 0.4023, 0.5188
Android (android.graphics.Color)	4289116160 (0xFFA6B800)
YUV	157.6420, -77.7175, 7.3300
Hunter-Lab	65.1061, -23.8265, 39.7009

Details

The XYZ color **32.8664, 42.3880, 6.4495** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.9024, 3.5902, 45.5738**, and the grayscale version is **32.6647, 34.3658, 37.4243**.

A 20% lighter version of the original color is **63.6227, 78.8922, 19.2716**, and **14.4230, 19.4838, 3.0006** is the 20% darker color. If you saturate the color by 10%, you get **32.8668, 42.3897, 6.4498**, and if you desaturate by 10%, it is **33.3601, 42.6310, 7.0608**.

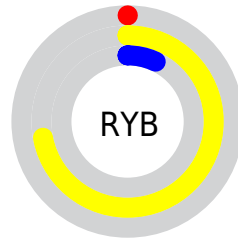
Distribution



Red (65%)

Green (72%)

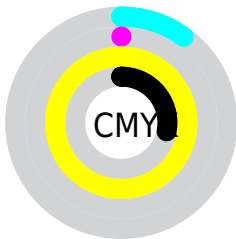
Blue (0%)



Red (0%)

Yellow (72%)

Blue (7%)

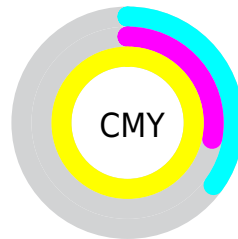


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (35%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8664, 42.3880, 6.4495 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 32.8664, 42.3880, 6.4495 by changing the saturation by 10% instead.


 32.8664, 42.3880,
6.4495


 32.8664, 42.3880,
6.4495


306.7229,
356.0888, 172.4613

 22.1829, 29.4052,
3.0471


 63.5230, 78.7865,
19.3505


 14.1087, 19.3876,
1.1187


 84.2267, 102.9710,
29.6862


 8.2785, 11.9507,
0.0000


 109.0012,
131.6583, 43.1701


 4.3270, 6.7101,
0.0000

 138.2119,
165.2326, 60.2207

 1.8887, 3.2815,
0.0000

 172.2240,
204.0784, 81.2566

 0.5703, 1.2804,
0.0000

 211.4030,

 0.0000, 0.1259,

248.5801, 106.6963

0.0000

256.1142,
299.1222, 136.9584

■ 0.0000, 0.0000,
0.0000

■ 32.8664, 42.3880,
6.4495

■ 32.8664, 42.3880,
6.4495

■ 32.8668, 42.3897,
6.4498

■ 33.3601, 42.6310,
7.0608

■ 33.9640, 42.9171,
8.2293

■ 34.7186, 43.2640,
10.1633

■ 35.6432, 43.6796,
12.9645

■ 36.7542, 44.1704,
16.7191

■ 38.0659, 44.7421,
21.5029

■ 39.5914, 45.3999,
27.3840

■ 41.3425, 46.1486,
34.4248

■ 43.3302, 46.9926,
42.6830

Harmonies

Analogous

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



45.2389, 42.3880, 5.8162



32.8664, 42.3880, 6.4495



24.4774, 42.3880, 13.5976

Triad

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



32.8664, 42.3880, 6.4495



26.1805, 42.3880, 121.9829



69.5243, 42.3880, 61.1732

Complementary

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



32.8664, 42.3880, 6.4495



8.9024, 3.5902, 45.5738

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.



61.7615, 42.3880, 109.7114



32.8664, 42.3880, 6.4495



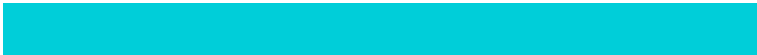
35.7132, 42.3880, 155.3457

Square

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



32.8664, 42.3880, 6.4495



21.2190, 42.3880, 72.7977



48.7515, 42.3880, 149.9446



68.3091, 42.3880, 26.9615

Rectangle

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



32.8664, 42.3880, 6.4495



21.4436, 42.3880, 25.1177



48.7515, 42.3880, 149.9446



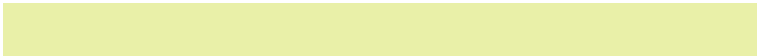
67.8221, 42.3880, 76.5193

Sweetspot

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



32.8674, 42.3899, 6.4504



71.6144, 82.2299, 49.0408



19.9443, 10.5427, 0.9844



15.1806, 17.6161, 9.5666



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



32.8674, 42.3899, 6.4504



59.4623, 76.7795, 11.6859



20.1765, 35.8476, 5.8565



9.6612, 10.4575, 9.6162



22.6835, 29.2301, 4.4464



0.8249, 1.0435, 0.1579

Inverse Universe

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



8.9024, 3.5902, 45.5738



16.0476, 6.4611, 82.6059



14.7574, 6.6086, 45.8478



8.6005, 8.7604, 11.3171



6.1634, 2.4885, 31.4086



0.2446, 0.1018, 1.1085

Previews

White Background



This preview shows how the XYZ color 32.8664, 42.3880, 6.4495 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 32.8664, 42.3880, 6.4495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

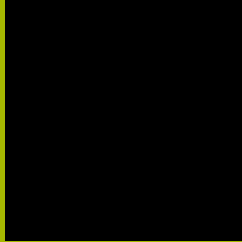
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8664, 42.3880, 6.4495

Background



This preview shows how black text looks on a background with the XYZ color 32.8664, 42.3880, 6.4495.



This preview shows how white text looks on a background with the XYZ color 32.8664, 42.3880,

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

32.8664, 42.3880, 6.4495

Protanopia

37.9010, 42.0079, 6.1107

Deuteranopia

42.9159, 42.0693, 7.1546



Tritanopia

42.0370, 42.2898, 51.2946

Trichromacy



Original Color

32.8664, 42.3880, 6.4495

Protanomaly

35.9280, 42.1551, 6.2431

Deuteranomaly

38.6982, 41.8349, 6.6972

Tritanomaly

36.4154, 41.4490, 22.9108

Monochromacy



Original Color

32.8664, 42.3880, 6.4495

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.8656, 36.1541, 17.6636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8664, 42.3880, 6.4495 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(166, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 184, 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(166, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 184, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.8664, 42.3880, 6.4495 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(166, 184, 0) }
```


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

```
.border{ border-color:rgb(166, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 184,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8664, 42.3880, 6.4495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 184, 0) }
```

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

```
.background{ background-color: rgb(166,  
184, 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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