

Converting Colors

XYZ(32.8371, 42.9064, 23.3809)

Have a look what the booklet for
XYZ(32.8371, 42.9064, 23.3809)
contains.

XYZ(32.8353, 42.9360, 23.3865)	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(32.8353, 42.9360,
23.3865)**

Conversions

Conversions Part 1

Format	Color
Hex	92BB75
RGB	146, 187, 117
RGB Percent	57%, 73%, 46%
CMY	0.4274, 0.2667, 0.5412
CMYK	0.22, 0.00, 0.37, 0.27
HSL	95°, 34%, 60%
HSV	95°, 37%, 73%
XYZ	32.8353, 42.9360, 23.3865
YIQ	166.7610, -1.9660, -30.4620

Conversions

Conversions Part 2

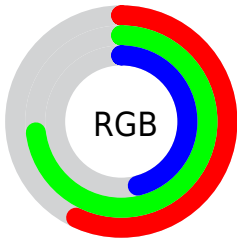
Format	Color
RYB	117, 187, 158
Decimal	9616245
CIELab	71.51, -26.37, 31.11
CIELCh	72, 40.780, 130.287
Yxy	42.9360, 0.3311, 0.4330
Android (android.graphics.Color)	4287806325 (0xFF92BB75)
YUV	166.7610, -24.5322, -18.2074
Hunter-Lab	65.5256, -25.2222, 24.7069

Details

The XYZ color **32.8353, 42.9360, 23.3865** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.4333, 23.5808, 50.0163**, and the grayscale version is **36.7315, 38.6444, 42.0838**.

A 20% lighter version of the original color is **63.3937, 79.4210, 50.0188**, and **14.1543, 19.8351, 8.3927** is the 20% darker color. If you saturate the color by 10%, you get **29.9893, 41.5848, 18.0761**, and if you desaturate by 10%, it is **36.0897, 44.4750, 29.8643**.

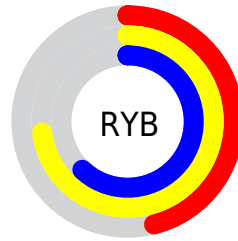
Distribution



Red (57%)

Green (73%)

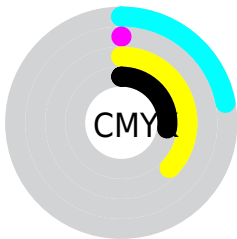
Blue (46%)



Red (46%)

Yellow (73%)

Blue (62%)

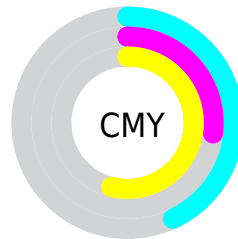


Cyan (22%)

Magenta (0%)

Yellow (37%)

Black (27%)



Cyan (43%)

Magenta (27%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8353, 42.9360, 23.3865 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 32.8353, 42.9360, 23.3865 by changing the saturation by 10% instead.

■ 32.8353, 42.9360,
23.3865

■ 32.8353, 42.9360,
23.3865

306.5851,
358.3485, 282.8900

■ 22.1589, 29.8349,
14.6712

■ 63.4747, 79.6143,
49.9584

■ 14.0910, 19.7133,
8.4449

■ 84.1685, 103.9602,
68.6521

■ 8.2661, 12.1868,
4.2891

■ 108.9321,
132.8233, 91.5089

■ 4.3189, 6.8710,
1.7852

138.1308,
166.5878, 118.9475

■ 1.8841, 3.3816,
0.4182

172.1302,
205.6382, 151.3863

■ 0.5676, 1.3340,
0.0000

211.2954,

■ 0.0000, 0.1673,

250.3588, 189.2440

0.0000

255.9919,
301.1341, 232.9390

■ 0.0000, 0.0000,
0.0000

■ 32.8353, 42.9360,
23.3865

■ 32.8353, 42.9360,
23.3865

■ 29.9893, 41.5848,
18.0761

■ 36.0897, 44.4750,
29.8643

■ 27.5301, 40.4078,
13.8609

■ 39.7664, 46.2037,
37.5704

■ 25.4388, 39.3982,
10.6647


■ 43.8825, 48.1308,
46.5649


■ 23.6933, 38.5467,
8.4008


■ 48.4530, 50.2629,
56.9032


■ 22.2682, 37.8423,
6.9678


■ 53.4924, 52.6063,
68.6373


 21.1293, 37.2705,
6.2181

 59.0142, 55.1669,
81.8165

 20.8696, 37.1397,
6.0687

 65.0316, 57.9505,
96.4877

 69.6317, 60.1923,
102.5560

 73.3324, 62.1002,
102.7292

Harmonies

Analogous

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



38.4911, 42.9360, 18.4924



32.8353, 42.9360, 23.3865



29.5745, 42.9360, 35.0942

Triad

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



32.8353, 42.9360, 23.3865



36.5057, 42.9360, 92.2839



55.2667, 42.9360, 40.3022

Complementary

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



32.8353, 42.9360, 23.3865



29.4333, 23.5808, 50.0163

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.



54.5805, 42.9360, 60.7371



32.8353, 42.9360, 23.3865



43.2189, 42.9360, 94.8442

Square

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



32.8353, 42.9360, 23.3865



31.5227, 42.9360, 75.7938



49.9800, 42.9360, 82.0364



51.7613, 42.9360, 26.2734

Rectangle

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



32.8353, 42.9360, 23.3865



28.9532, 42.9360, 46.9402



49.9800, 42.9360, 82.0364



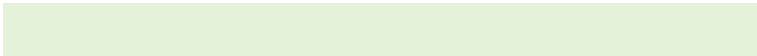
55.5273, 42.9360, 46.5604

Sweetspot

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



32.8364, 42.9379, 23.3874



75.7354, 84.8631, 77.0852



35.9045, 36.2477, 21.9344



16.4560, 18.5843, 16.4889



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.



32.8364, 42.9379, 23.3874



54.5278, 74.8651, 33.8529



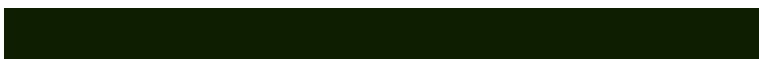
28.6725, 40.7504, 25.0394



9.7731, 10.8374, 10.1534



14.4567, 25.6286, 4.1849



0.6408, 1.0423, 0.1674

Inverse Universe

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



29.4333, 23.5808, 50.0163



47.5346, 35.1487, 88.4804



35.2141, 26.6316, 47.0923



9.5375, 9.4939, 12.0020



10.6547, 4.7788, 32.7537



0.4901, 0.2247, 1.2864

Previews

White Background



This preview shows how the XYZ color 32.8353, 42.9360, 23.3865 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 32.8353, 42.9360, 23.3865 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 32.8353, 42.9360, 23.3865

Background



This preview shows how black text looks on a background with the XYZ color 32.8353, 42.9360, 23.3865.



This preview shows how white text looks on a background with the XYZ color 32.8353, 42.9360,

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

32.8353, 42.9360, 23.3865

Protanopia

39.4898, 42.7769, 21.5047

Deuteranopia

43.2823, 42.4278, 23.9973



Tritanopia

39.3395, 42.8147, 56.0598

Trichromacy



Original Color

32.8353, 42.9360, 23.3865

Protanomaly

36.6129, 42.4538, 22.1843

Deuteranomaly

38.5338, 41.9425, 23.8341

Tritanomaly

36.4523, 42.5367, 41.8865

Monochromacy



Original Color

32.8353, 42.9360, 23.3865

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

34.8589, 39.8130, 34.2812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8353, 42.9360, 23.3865 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(146, 187, 117)` looks like.

```
.text, #text, p{  
    color:rgb(146, 187, 117)  
}
```

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(146, 187, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 187, 117) }
```

Border

The CSS property to change the border of an element to XYZ 32.8353, 42.9360, 23.3865 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(146, 187, 117) }
```


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

```
.border{ border-color:rgb(146, 187, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 187, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 187, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 187, 117);  
box-shadow:4px 4px 4px 4px rgb(146, 187,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8353, 42.9360, 23.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 187, 117) }
```

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

```
.background{ background-color: rgb(146,  
187, 117) }
```

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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