

Converting Colors

XYZ(23.7043, 32.4854, 9.0548)

Have a look what the booklet for
XYZ(23.7043, 32.4854, 9.0548)
contains.

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Color

**XYZ(23.6059, 32.3238,
8.9979)**

Conversions

Conversions Part 1

Format	Color
Hex	82A63A
RGB	130, 166, 58
RGB Percent	51%, 65%, 23%
CMY	0.4902, 0.3490, 0.7725
CMYK	0.22, 0.00, 0.65, 0.35
HSL	80°, 48%, 44%
HSV	80°, 65%, 65%
XYZ	23.6059, 32.3238, 8.9979
YIQ	142.9240, 13.2120, -41.2200

Conversions

Conversions Part 2

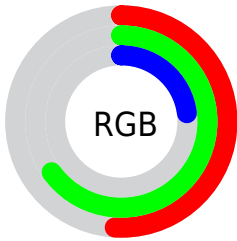
Format	Color
RYB	58, 166, 94
Decimal	8562234
CIELab	63.61, -28.85, 50.14
CIELCh	64, 57.853, 119.918
Yxy	32.3238, 0.3636, 0.4978
Android (android.graphics.Color)	4286752314 (0xFF82A63A)
YUV	142.9240, -41.8675, -11.3343
Hunter-Lab	56.8540, -25.3810, 30.4144

Details

The XYZ color **23.6059, 32.3238, 8.9979** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.0133, 8.1598, 36.9674**, and the grayscale version is **26.2370, 27.6034, 30.0601**.

A 20% lighter version of the original color is **48.6785, 63.1530, 24.3760**, and **9.0779, 13.6124, 2.1490** is the 20% darker color. If you saturate the color by 10%, you get **22.4239, 31.7567, 7.0826**, and if you desaturate by 10%, it is **24.9712, 32.9718, 11.6337**.

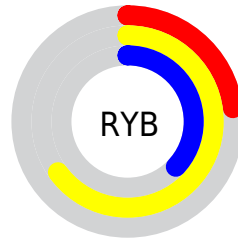
Distribution



Red (51%)

Green (65%)

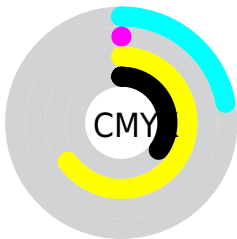
Blue (23%)



Red (23%)

Yellow (65%)

Blue (37%)

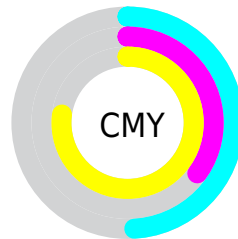


Cyan (22%)

Magenta (0%)

Yellow (65%)

Black (35%)



Cyan (49%)


Magenta (35%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6059, 32.3238, 8.9979 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 23.6059, 32.3238, 8.9979 by changing the saturation by 10% instead.


 23.6059, 32.3238,
8.9979


 23.6059, 32.3238,
8.9979


263.2995,
312.5916, 193.5797


 15.1647, 21.6089,
4.6430


 48.8457, 63.3184,
24.4704


 9.0221, 13.5698,
1.9843


 66.3750, 84.3669,
36.4251

 4.8128, 7.8221,
0.5456


 87.6643, 109.6287,
51.7502

 2.1715, 3.9813,
0.0000

 113.0791,
139.4882, 70.8641

 0.7276, 1.6631,
0.0000

 142.9847,
174.3299, 94.1855

 0.0000, 0.3996,
0.0000

 177.7463,

 0.0000, 0.0000,

214.5381, 122.1329

0.0000

217.7295,
260.4972, 155.1248

■ 23.6059, 32.3238,
8.9979

■ 23.6059, 32.3238,
8.9979

■ 22.4239, 31.7567,
7.0826

■ 24.9712, 32.9718,
11.6337

■ 21.4087, 31.2604,
5.8141

■ 26.5302, 33.7014,
15.0504

■ 20.5432, 30.8290,
5.1034

■ 28.2947, 34.5188,
19.3043

■ 20.1502, 30.6316,
4.8505

■ 30.2751, 35.4279,
24.4458

■ 32.4808, 36.4328,
30.5216

■ 34.9207, 37.5371,
37.5748

■ 37.6031, 38.7440,
45.6462

■ 40.5359, 40.0569,
54.7738

■ 43.7266, 41.4789,
64.9941

Harmonies

Analogous

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



30.7450, 32.3238, 6.8142



23.6059, 32.3238, 8.9979



19.1428, 32.3238, 17.2692

Triad

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



23.6059, 32.3238, 8.9979



23.5736, 32.3238, 89.4567



49.0291, 32.3238, 35.2589

Complementary

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



23.6059, 32.3238, 8.9979



13.0133, 8.1598, 36.9674

Split Complementary

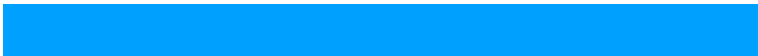
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.2261, 32.3238, 62.5465



23.6059, 32.3238, 8.9979



30.7006, 32.3238, 101.0914

Square

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



23.6059, 32.3238, 8.9979



19.1266, 32.3238, 62.3847



39.1431, 32.3238, 89.5754



46.2553, 32.3238, 17.3379

Rectangle

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



23.6059, 32.3238, 8.9979



17.8226, 32.3238, 27.9652



39.1431, 32.3238, 89.5754



48.7022, 32.3238, 43.5747

Sweetspot

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



23.6067, 32.3252, 8.9986



56.7680, 65.1278, 49.3173



20.4935, 16.4190, 6.0924



12.4656, 14.4658, 10.3866



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.6067, 32.3252, 8.9986



39.8506, 57.2215, 11.7068



17.3815, 29.1160, 8.7073



7.9002, 8.6467, 8.0419



15.6757, 23.7783, 3.7635



0.4322, 0.6047, 0.0939

Inverse Universe

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



13.0133, 8.1598, 36.9674



19.2502, 10.0308, 66.3968



20.6100, 12.0760, 37.3230



7.3587, 7.4175, 9.4622



6.6188, 2.7955, 28.1662



0.2150, 0.0958, 0.6878

Previews

White Background



This preview shows how the XYZ color 23.6059, 32.3238, 8.9979 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 23.6059, 32.3238, 8.9979 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 23.6059, 32.3238, 8.9979

Background



This preview shows how black text looks on a background with the XYZ color 23.6059, 32.3238, 8.9979.



This preview shows how white text looks on a background with the XYZ color 23.6059, 32.3238,

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

23.6059, 32.3238, 8.9979

Protanopia

29.2584, 32.1577, 8.2794

Deuteranopia

32.6902, 32.0043, 9.3050



Tritanopia

30.1169, 32.1095, 41.6562

Trichromacy



Original Color

23.6059, 32.3238, 8.9979

Protanomaly

26.8453, 31.9073, 8.4852

Deuteranomaly

28.6229, 31.5653, 9.1415

Tritanomaly

26.7757, 31.7581, 25.1408

Monochromacy



Original Color

23.6059, 32.3238, 8.9979

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.4725, 28.7063, 19.5803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6059, 32.3238, 8.9979 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(130, 166, 58)` looks like.

```
.text, #text, p{  
    color:rgb(130, 166, 58)  
}
```

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(130, 166, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 166, 58) }
```

Border

The CSS property to change the border of an element to XYZ 23.6059, 32.3238, 8.9979 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(130, 166, 58) }
```


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

```
.border{ border-color:rgb(130, 166, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 166, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 166, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 166, 58);  
box-shadow:4px 4px 4px 4px rgb(130, 166,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6059, 32.3238, 8.9979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 166, 58) }
```

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

```
.background{ background-color: rgb(130,  
166, 58) }
```

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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