

Converting Colors

XYZ(23.3809, 33.0058, 26.9541)

Have a look what the booklet for
XYZ(23.3809, 33.0058, 26.9541)
contains.

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Color

**XYZ(23.3635, 32.9022,
26.9492)**

Conversions

Conversions Part 1

Format	Color
Hex	60AA84
RGB	96, 170, 132
RGB Percent	38%, 67%, 52%
CMY	0.6235, 0.3333, 0.4823
CMYK	0.44, 0.00, 0.22, 0.33
HSL	149°, 30%, 52%
HSV	149°, 44%, 67%
XYZ	23.3635, 32.9022, 26.9492
YIQ	143.5420, -31.9060, -27.5060

Conversions

Conversions Part 2

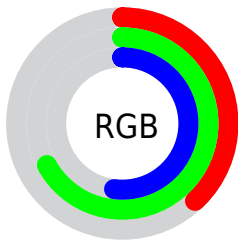
Format	Color
RYB	96, 146, 170
Decimal	6335108
CIELab	64.08, -31.97, 12.50
CIElCh	64, 34.326, 158.644
Yxy	32.9022, 0.2808, 0.3954
Android (android.graphics.Color)	4284525188 (0xFF60AA84)
YUV	143.5420, -5.6902, -41.6943
Hunter-Lab	57.3604, -27.6759, 12.2966

Details

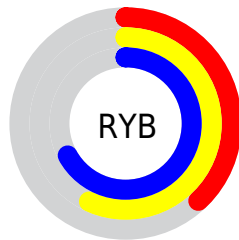
The XYZ color **23.3635, 32.9022, 26.9492** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.0647, 18.6339, 24.8313**, and the grayscale version is **26.3573, 27.7299, 30.1978**.

A 20% lighter version of the original color is **48.5310, 64.3795, 55.7676**, and **8.8391, 13.8240, 10.1851** is the 20% darker color. If you saturate the color by 10%, you get **21.1921, 31.8499, 23.8588**, and if you desaturate by 10%, it is **25.9735, 34.1766, 30.3226**.

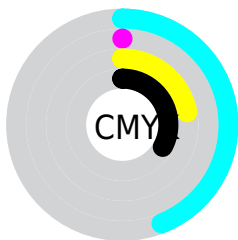
Distribution



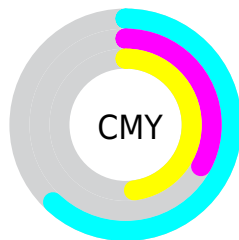
- Red (38%)
- Green (67%)
- Blue (52%)



- Red (38%)
- Yellow (57%)
- Blue (67%)



- Cyan (44%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)



- Cyan (62%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3635, 32.9022, 26.9492 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 23.3635, 32.9022, 26.9492 by changing the saturation by 10% instead.

■ 23.3635, 32.9022,
26.9492

■ 23.3635, 32.9022,
26.9492

262.0872,
315.2088, 301.1635

■ 14.9843, 22.0515,
17.3030

■ 48.4518, 64.2228,
55.8051

■ 8.8946, 13.8948,
10.2865

■ 65.8916, 85.4615,
75.8518

■ 4.7291, 8.0475,
5.4812

■ 87.0823, 110.9318,
100.2025

■ 2.1223, 4.1254,
2.4687

■ 112.3893,
141.0178, 129.2756

■ 0.7013, 1.7439,
0.8235

142.1779,
176.1042, 163.4897

■ 0.0000, 0.4519,
0.0000

176.8136,

■ 0.0000, 0.0000,

216.5752, 203.2634

0.0000

216.6615,
262.8153, 249.0151

■ 23.3635, 32.9022,
26.9492

■ 23.3635, 32.9022,
26.9492

■ 21.1921, 31.8499,
23.8588

■ 25.9735, 34.1766,
30.3226

■ 19.4302, 31.0021,
21.0415

■ 29.0434, 35.6814,
33.9839

■ 18.0493, 30.3452,
18.4902


■ 32.5966, 37.4292,
37.9410


■ 17.0157, 29.8621,
16.1962


■ 36.6537, 39.4307,
42.2005

■ 16.2894, 29.5322,
14.1507


■ 41.2344, 41.6957,
46.7689

 15.9252, 29.3706,
12.9531

 46.3570, 44.2337,
51.6526

 52.0392, 47.0537,
56.8575

 58.2976, 50.1641,
62.3895

 65.1484, 53.5731,
68.2546

Harmonies

Analogous

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



25.8007, 32.9022, 18.7461



23.3635, 32.9022, 26.9492



22.9261, 32.9022, 39.9926

Triad

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



23.3635, 32.9022, 26.9492



32.6958, 32.9022, 69.2649



39.1399, 32.9022, 21.5957

Complementary

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



23.3635, 32.9022, 26.9492



25.0647, 18.6339, 24.8313

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.



41.4326, 32.9022, 31.9573



23.3635, 32.9022, 26.9492



37.4680, 32.9022, 61.0080

Square

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



23.3635, 32.9022, 26.9492



27.9967, 32.9022, 66.9158



40.7911, 32.9022, 46.4624



34.7945, 32.9022, 16.2574

Rectangle

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



23.3635, 32.9022, 26.9492



23.7786, 32.9022, 50.2202



40.7911, 32.9022, 46.4624



40.1956, 32.9022, 24.4824

Sweetspot

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



23.3644, 32.9035, 26.9499



59.3435, 68.0085, 69.0561



26.3559, 34.6830, 16.3722



12.9051, 15.0042, 15.0429



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.3644, 32.9035, 26.9499



38.6593, 57.8874, 43.6025



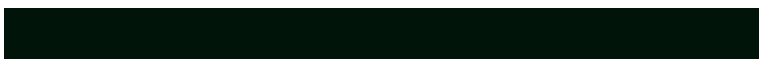
26.3393, 34.0935, 42.6154



7.5831, 8.4663, 8.7908



11.7423, 21.6157, 9.6756



0.3116, 0.5363, 0.3721

Inverse Universe

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



25.0647, 18.6339, 24.8313



42.1409, 28.6581, 39.2570



22.9300, 17.7800, 13.5903



7.6859, 7.6042, 8.6630



13.4975, 6.8077, 7.4311



0.3541, 0.1759, 0.3162

Previews

White Background



This preview shows how the XYZ color 23.3635, 32.9022, 26.9492 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 23.3635, 32.9022, 26.9492 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 23.3635, 32.9022, 26.9492

Background



This preview shows how black text looks on a background with the XYZ color 23.3635, 32.9022, 26.9492.



This preview shows how white text looks on a background with the XYZ color 23.3635, 32.9022,

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

23.3635, 32.9022, 26.9492

Protanopia

30.5035, 32.4590, 23.7263

Deuteranopia

33.1673, 32.5311, 28.1979



Tritanopia

27.2747, 32.8510, 46.4983

Trichromacy



Original Color

23.3635, 32.9022, 26.9492

Protanomaly

27.0490, 32.1629, 24.8611

Deuteranomaly

28.4628, 32.0663, 27.6109

Tritanomaly

25.6628, 32.7292, 38.6830

Monochromacy



Original Color

23.3635, 32.9022, 26.9492

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.8773, 29.1879, 29.1336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3635, 32.9022, 26.9492 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(96, 170, 132)` looks like.

```
.text, #text, p{  
    color:rgb(96, 170, 132)  
}
```

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(96, 170, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 170, 132) }
```

Border

The CSS property to change the border of an element to XYZ 23.3635, 32.9022, 26.9492 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(96, 170, 132) }
```


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

```
.border{ border-color:rgb(96, 170, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 170, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 170, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 170, 132);  
box-shadow:4px 4px 4px 4px rgb(96, 170,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3635, 32.9022, 26.9492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 170, 132) }
```

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

```
.background{ background-color: rgb(96, 170,  
132) }
```

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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