

Converting Colors

XYZ(23.3159, 32.0423, 27.2939)

Have a look what the booklet for
XYZ(23.3159, 32.0423, 27.2939)
contains.

XYZ(23.3079, 32.0402, 27.1462)	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(23.3079, 32.0402,
27.1462)**

Conversions

Conversions Part 1

Format	Color
Hex	64A785
RGB	100, 167, 133
RGB Percent	39%, 65%, 52%
CMY	0.6078, 0.3451, 0.4784
CMYK	0.40, 0.00, 0.20, 0.35
HSL	150°, 28%, 52%
HSV	150°, 40%, 65%
XYZ	23.3079, 32.0402, 27.1462
YIQ	143.0910, -29.0180, -24.7780

Conversions

Conversions Part 2

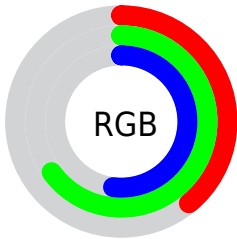
Format	Color
RYB	100, 145, 167
Decimal	6596485
CIELab	63.38, -29.18, 10.98
CIElCh	63, 31.173, 159.380
Yxy	32.0402, 0.2825, 0.3884
Android (android.graphics.Color)	4284786565 (0xFF64A785)
YUV	143.0910, -4.9749, -37.7908
Hunter-Lab	56.6041, -25.5560, 11.1885

Details

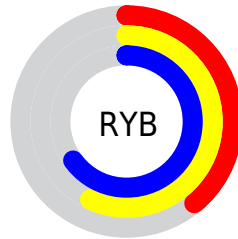
The XYZ color **23.3079, 32.0402, 27.1462** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.7977, 19.0519, 24.9260**, and the grayscale version is **26.1730, 27.5360, 29.9867**.

A 20% lighter version of the original color is **48.3106, 62.6577, 56.0023**, and **8.9110, 13.5144, 10.3225** is the 20% darker color. If you saturate the color by 10%, you get **21.0847, 30.9599, 24.1083**, and if you desaturate by 10%, it is **25.9587, 33.3372, 30.4521**.

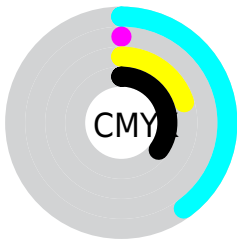
Distribution



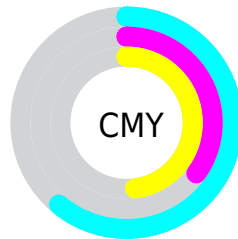
- Red (39%)
- Green (65%)
- Blue (52%)



- Red (39%)
- Yellow (57%)
- Blue (65%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (35%)





- Cyan (61%)
- Magenta (35%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3079, 32.0402, 27.1462 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 23.3079, 32.0402, 27.1462 by changing the saturation by 10% instead.


 23.3079, 32.0402,
27.1462


 23.3079, 32.0402,
27.1462


261.8084,
311.3023, 302.1468


 14.9430, 21.3922,
17.4496


 48.3614, 62.8741,
56.1250


 8.8654, 13.4110,
10.3903


 65.7806, 83.8288,
76.2443

 4.7099, 7.7122,
5.5495


 86.9486, 108.9879,
100.6749

 2.1111, 3.9113,
2.5088

 112.2308,
138.7357, 129.8354

 0.6952, 1.6241,
0.8448

141.9926,
173.4566, 164.1443

 0.0000, 0.3738,
0.0000

176.5992,

 0.0000, 0.0000,

213.5351, 204.0201

0.0000

216.4160,
259.3556, 249.8815

■ 23.3079, 32.0402,
27.1462

■ 23.3079, 32.0402,
27.1462

■ 21.0847, 30.9599,
24.1083

■ 25.9587, 33.3372,
30.4521

■ 19.2622, 30.0800,
21.3294

■ 29.0570, 34.8584,
34.0306

■ 17.8141, 29.3879,
18.8029


■ 32.6243, 36.6157,
37.8887


■ 16.7099, 28.8680,
16.5211


■ 36.6801, 38.6190,
42.0325


■ 15.9139, 28.5021,
14.4759


■ 41.2426, 40.8777,
46.4682

 15.3519, 28.2516,
12.6771

 46.3294, 43.4005,
51.2013

 51.9568, 46.1959,
56.2376

 58.1406, 49.2719,
61.5824

 64.8959, 52.6361,
67.2410

Harmonies

Analogous

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



25.4714, 32.0402, 19.5133



23.3079, 32.0402, 27.1462



22.9566, 32.0402, 38.9177

Triad

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



23.3079, 32.0402, 27.1462



31.8302, 32.0402, 64.0893



37.3512, 32.0402, 21.8416

Complementary

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



23.3079, 32.0402, 27.1462



24.7977, 19.0519, 24.9260

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.



39.4265, 32.0402, 31.1434



23.3079, 32.0402, 27.1462



36.0457, 32.0402, 56.7481

Square

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



23.3079, 32.0402, 27.1462



27.6148, 32.0402, 62.2936



38.9273, 32.0402, 43.9734



33.4798, 32.0402, 16.9927

Rectangle

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



23.3079, 32.0402, 27.1462



23.7604, 32.0402, 47.9377



38.9273, 32.0402, 43.9734



38.2979, 32.0402, 24.4490

Sweetspot

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



23.3088, 32.0415, 27.1469



57.0142, 64.8777, 66.3621



26.0501, 33.6781, 17.1846



12.5764, 14.4285, 14.6561



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.



23.3088, 32.0415, 27.1469



38.2177, 55.6670, 43.8297



25.9476, 33.0970, 41.0426



7.5850, 8.4670, 8.8006



11.7716, 21.6274, 9.8303



0.3123, 0.5366, 0.3756

Inverse Universe

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



24.7977, 19.0519, 24.9260



41.2517, 29.1942, 39.3012



22.8492, 18.2725, 14.6651



7.6840, 7.6035, 8.6531



13.4666, 6.7953, 7.2686



0.3534, 0.1756, 0.3126

Previews

White Background



This preview shows how the XYZ color 23.3079, 32.0402, 27.1462 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 23.3079, 32.0402, 27.1462 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

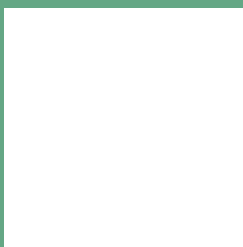
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3079, 32.0402, 27.1462

Background



This preview shows how black text looks on a background with the XYZ color 23.3079, 32.0402, 27.1462.



This preview shows how white text looks on a background with the XYZ color 23.3079, 32.0402,

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

23.3079, 32.0402, 27.1462

Protanopia

29.6921, 31.5399, 24.2615

Deuteranopia

32.1827, 31.5578, 28.0620



Tritanopia

26.8153, 31.8607, 44.7808

Trichromacy



Original Color

23.3079, 32.0402, 27.1462

Protanomaly

26.6669, 31.1879, 25.3832

Deuteranomaly

27.8536, 30.9998, 27.8081

Tritanomaly

25.2991, 31.7618, 37.5981

Monochromacy



Original Color

23.3079, 32.0402, 27.1462

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.6408, 28.8326, 28.6926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3079, 32.0402, 27.1462 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(100, 167, 133)` looks like.

```
.text, #text, p{  
    color:rgb(100, 167, 133)  
}
```

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(100, 167, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 167, 133) }
```

Border

The CSS property to change the border of an element to XYZ 23.3079, 32.0402, 27.1462 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(100, 167, 133) }
```


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

```
.border{ border-color:rgb(100, 167, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 167, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 167, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 167, 133);  
box-shadow:4px 4px 4px 4px rgb(100, 167,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3079, 32.0402, 27.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 167, 133) }
```

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

```
.background{ background-color: rgb(100,  
167, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor