

Converting Colors

XYZ(33.0359, 23.4199, 18.4278)

Have a look what the booklet for
XYZ(33.0359, 23.4199, 18.4278)
contains.

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Color

**XYZ(32.9914, 23.4284,
18.4061)**

Conversions

Conversions Part 1

Format	Color
Hex	CE6471
RGB	206, 100, 113
RGB Percent	81%, 39%, 44%
CMY	0.1922, 0.6078, 0.5569
CMYK	0.00, 0.51, 0.45, 0.19
HSL	353°, 52%, 60%
HSV	353°, 51%, 81%
XYZ	32.9914, 23.4284, 18.4061
YIQ	133.1760, 59.0030, 26.5150

Conversions

Conversions Part 2

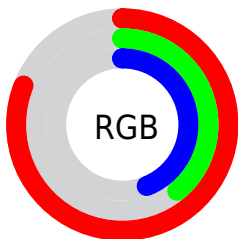
Format	Color
R_{YB}	206, 100, 113
Decimal	13526129
CIE _{Lab}	55.51, 43.15, 12.71
CIE _{LCh}	56, 44.987, 16.410
Yxy	23.4284, 0.4409, 0.3131
Android (android.graphics.Color)	4291716209 (0xFFCE6471)
YUV	133.1760, -9.9468, 63.8666
Hunter-Lab	48.4029, 36.9605, 11.3359

Details

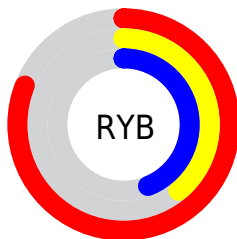
The XYZ color **32.9914, 23.4284, 18.4061** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.9537, 50.7027, 58.2941**, and the grayscale version is **22.3792, 23.5447, 25.6401**.

A 20% lighter version of the original color is **59.4228, 46.7591, 41.4908**, and **14.2238, 8.7915, 5.9483** is the 20% darker color. If you saturate the color by 10%, you get **30.3411, 19.5974, 12.9925**, and if you desaturate by 10%, it is **36.3450, 28.3418, 25.0544**.

Distribution



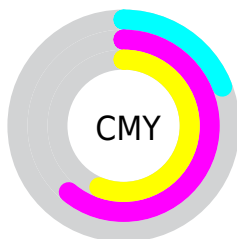
- Red (81%)
- Green (39%)
- Blue (44%)



- Red (81%)
- Yellow (39%)
- Blue (44%)



- Cyan (0%)
- Magenta (51%)
- Yellow (45%)
- Black (19%)





- Cyan (19%)
- Magenta (61%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9914, 23.4284, 18.4061 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 32.9914, 23.4284, 18.4061 by changing the saturation by 10% instead.


 32.9914, 23.4284,
18.4061


 32.9914, 23.4284,
18.4061


307.2767,
269.9178, 255.4627


 22.2791, 14.9102,
11.0695


 63.7169, 49.0958,
41.5513


 14.1798, 8.7564,
5.9988


 84.4607, 67.0138,
58.1971

 8.3284, 4.5826,
2.7756


 109.2791, 88.8337,
78.7829

 4.3594, 2.0045,
0.9812

 138.5374,
114.9401, 103.7274

 1.9074, 0.6101,
0.0000

172.6009,
145.7173, 133.4491

 0.5811, 0.0000,
0.0000

211.8351,

 0.0000, 0.0000,

181.5497, 168.3665

0.0000

256.6052,
222.8218, 208.8982

■ 32.9914, 23.4284,
18.4061

■ 32.9914, 23.4284,
18.4061

■ 30.3411, 19.5974,
12.9925

■ 36.3450, 28.3418,
25.0544

■ 28.3419, 16.7636,
8.7357

■ 40.4457, 34.4072,
33.0060

■ 26.9369, 14.8347,
5.5511

■ 45.3356, 41.6926,
42.3260

■ 26.0586, 13.6998,
3.3416

■ 51.0534, 50.2598,
53.0748

■ 25.6318, 13.1931,
2.1298

■ 57.6350, 60.1662,
65.3090

■ 65.1144, 71.4660,
79.0822

■ 73.5236, 84.2102,
94.4456

■ 79.2635, 91.8618,
108.1612

Harmonies

Analogous

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



33.1531, 23.4284, 32.6493



32.9914, 23.4284, 18.4061



29.6897, 23.4284, 10.1589

Triad

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



32.9914, 23.4284, 18.4061



15.9263, 23.4284, 10.6941



20.0547, 23.4284, 63.4151

Complementary

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



32.9914, 23.4284, 18.4061



36.9537, 50.7027, 58.2941

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.



16.1992, 23.4284, 51.5501



32.9914, 23.4284, 18.4061



14.0718, 23.4284, 19.4948

Square

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



32.9914, 23.4284, 18.4061



19.6255, 23.4284, 7.0052



14.1635, 23.4284, 34.2393



25.1376, 23.4284, 62.7646

Rectangle

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



32.9914, 23.4284, 18.4061



26.4022, 23.4284, 7.5227



14.1635, 23.4284, 34.2393



18.5896, 23.4284, 60.6101

Sweetspot

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



32.9920, 23.4296, 18.4065



79.0982, 76.0008, 79.2146



37.4030, 24.7609, 61.2004



16.5059, 15.6314, 16.1576



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.9920, 23.4296, 18.4065



48.6743, 31.0585, 20.0388



36.9680, 32.4698, 16.3771



11.2674, 11.2357, 11.9425



15.8027, 8.1317, 1.4135



0.8343, 0.4271, 0.1731

Inverse Universe

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



32.9920, 23.4296, 18.4065



48.6743, 31.0585, 20.0388



30.2403, 34.8530, 63.5259



11.2674, 11.2357, 11.9425



15.8027, 8.1317, 1.4135



0.8343, 0.4271, 0.1731

Previews

White Background



This preview shows how the XYZ color 32.9914, 23.4284, 18.4061 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9914, 23.4284, 18.4061 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 × Fail

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

XYZ 32.9914, 23.4284, 18.4061

Background



This preview shows how black text looks on a background with the XYZ color 32.9914, 23.4284, 18.4061.



This preview shows how white text looks on a background with the XYZ color 32.9914, 23.4284,

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

32.9914, 23.4284, 18.4061

Protanopia

22.7333, 23.7051, 24.4965

Deuteranopia

23.9435, 23.4896, 17.4593



Tritanopia

32.8141, 23.5119, 16.9961

Trichromacy



Original Color

32.9914, 23.4284, 18.4061

Protanomaly

25.3758, 22.8114, 22.1344

Deuteranomaly

26.7485, 23.0813, 17.7972

Tritanomaly

32.9218, 23.5550, 17.5632

Monochromacy



Original Color

32.9914, 23.4284, 18.4061

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.1005, 22.6547, 22.7885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9914, 23.4284, 18.4061 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(206, 100, 113)` looks like.

```
.text, #text, p{  
    color:rgb(206, 100, 113)  
}
```

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(206, 100, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 100, 113) }
```

Border

The CSS property to change the border of an element to XYZ 32.9914, 23.4284, 18.4061 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(206, 100, 113) }
```


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

```
.border{ border-color:rgb(206, 100, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 100, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 100, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 100, 113);  
box-shadow:4px 4px 4px 4px rgb(206, 100,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9914, 23.4284, 18.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 100, 113) }
```

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

```
.background{ background-color: rgb(206,  
100, 113) }
```

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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