

Converting Colors

XYZ(33.3056, 23.4016, 20.5309)

Have a look what the booklet for
XYZ(33.3056, 23.4016, 20.5309)
contains.

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Color

**XYZ(33.3056, 23.4016,
20.5309)**

Conversions

Conversions Part 1

Format	Color
Hex	CE6378
RGB	206, 99, 120
RGB Percent	81%, 39%, 47%
CMY	0.1922, 0.6117, 0.5294
CMYK	0.00, 0.52, 0.42, 0.19
HSL	348°, 52%, 60%
HSV	348°, 52%, 81%
XYZ	33.3056, 23.4016, 20.5309
YIQ	133.3870, 57.0310, 29.2150

Conversions

Conversions Part 2

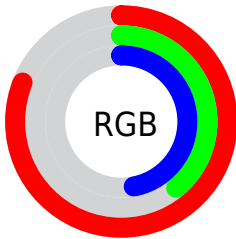
Format	Color
R _Y B	206, 99, 120
Decimal	13525880
CIE Lab	55.48, 44.38, 8.56
CIE LCh	55, 45.202, 10.917
Yxy	23.4016, 0.4312, 0.3030
Android (android.graphics.Color)	4291715960 (0xFFCE6378)
YUV	133.3870, -6.5998, 63.6816
Hunter-Lab	48.3752, 38.2380, 8.6994

Details

The XYZ color **33.3056, 23.4016, 20.5309** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.9751, 50.2985, 53.7145**, and the grayscale version is **22.4450, 23.6139, 25.7155**.

A 20% lighter version of the original color is **60.0776, 47.0210, 44.9393**, and **14.3594, 8.7178, 7.0568** is the 20% darker color. If you saturate the color by 10%, you get **30.6774, 19.6167, 15.1184**, and if you desaturate by 10%, it is **36.6065, 28.2538, 27.0254**.

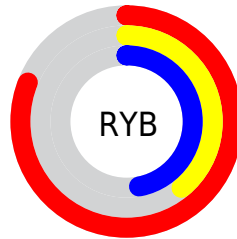
Distribution



Red (81%)

Green (39%)

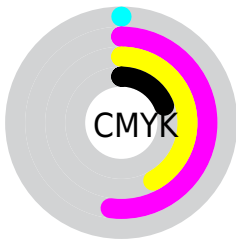
Blue (47%)



Red (81%)

Yellow (39%)

Blue (47%)

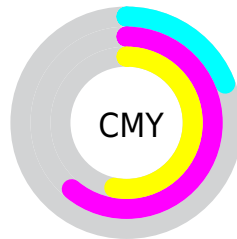


Cyan (0%)

Magenta (52%)

Yellow (42%)

Black (19%)



Cyan (19%)


Magenta (61%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3056, 23.4016, 20.5309 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 33.3056, 23.4016, 20.5309 by changing the saturation by 10% instead.


 33.3056, 23.4016,
20.5309


 33.3056, 23.4016,
20.5309


308.6652,
269.7810, 267.4735


 22.5210, 14.8903,
12.5936

 64.2038, 49.0519,
45.1761


 14.3590, 8.7424,
7.0219


 85.0482, 66.9597,
62.7212

 8.4541, 4.5736,
3.3972


 109.9765, 88.7686,
84.3059

 4.4411, 1.9993,
1.3008

 139.3542,
114.8627, 110.3488

 1.9546, 0.6071,
0.0625

173.5466,
145.6267, 141.2685

 0.6083, 0.0000,
0.0000

212.9189,

 0.0000, 0.0000,

181.4448, 177.4835

0.0000

257.8367,
222.7014, 219.4123

■ 33.3056, 23.4016,
20.5309

■ 33.3056, 23.4016,
20.5309

■ 30.6774, 19.6167,
15.1184

■ 36.6065, 28.2538,
27.0254

■ 28.6725, 16.8147,
10.7266

■ 40.6212, 34.2422,
34.6559

■ 27.2374, 14.9042,
7.2899

■ 45.3896, 41.4339,
43.4742

■ 26.3084, 13.7748,
4.7339

■ 50.9478, 49.8902,
53.5285

■ 25.8437, 13.2779,
3.2460

■ 57.3301, 59.6677,
64.8643

■ 64.5683, 70.8199,
77.5248

■ 72.6926, 83.3973,
91.5511

■ 78.8578, 91.6995,
106.0247

■ 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.



32.8357, 23.4016, 35.7889



33.3056, 23.4016, 20.5309



30.4901, 23.4016, 11.1757

Triad

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



33.3056, 23.4016, 20.5309



16.4272, 23.4016, 9.6242



19.1932, 23.4016, 62.2195

Complementary

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



33.3056, 23.4016, 20.5309



35.9751, 50.2985, 53.7145

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.



15.6350, 23.4016, 48.6069



33.3056, 23.4016, 20.5309



14.2146, 23.4016, 17.3698

Square

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



33.3056, 23.4016, 20.5309



20.4395, 23.4016, 6.6757



13.9486, 23.4016, 31.1675



24.1485, 23.4016, 64.1119

Rectangle

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



33.3056, 23.4016, 20.5309



27.3481, 23.4016, 7.9935



13.9486, 23.4016, 31.1675



17.8155, 23.4016, 58.6731

Sweetspot

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



33.3062, 23.4028, 20.5313



78.5496, 74.7394, 79.5381



35.5145, 23.6459, 61.0847



16.4130, 15.3891, 16.3006



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.



33.3062, 23.4028, 20.5313



49.3966, 31.3474, 23.8424



35.8363, 30.2835, 15.7626



11.3008, 11.2491, 12.1187



15.9414, 8.1872, 2.1442



0.8497, 0.4333, 0.2544

Inverse Universe

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



33.3062, 23.4028, 20.5313



49.3966, 31.3474, 23.8424



31.4040, 37.3434, 63.9452



11.3008, 11.2491, 12.1187



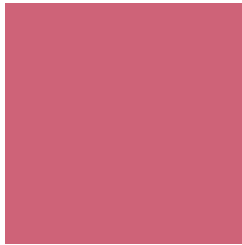
15.9414, 8.1872, 2.1442



0.8497, 0.4333, 0.2544

Previews

White Background



This preview shows how the XYZ color 33.3056, 23.4016, 20.5309 looks on a white background.

Color Contrast Check

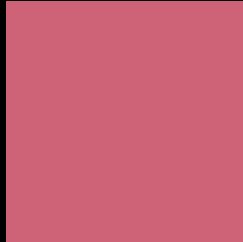
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3056, 23.4016, 20.5309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

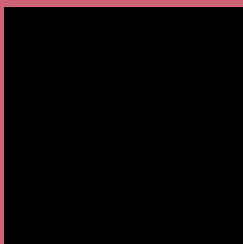
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3056, 23.4016, 20.5309

Background



This preview shows how black text looks on a background with the XYZ color 33.3056, 23.4016, 20.5309.



This preview shows how white text looks on a background with the XYZ color 33.3056, 23.4016,

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

33.3056, 23.4016, 20.5309

Protanopia

22.8065, 23.6784, 27.4131

Deuteranopia

23.9506, 23.4485, 19.4833



Tritanopia

32.5373, 23.3692, 16.9832

Trichromacy



Original Color

33.3056, 23.4016, 20.5309

Protanomaly

25.4313, 22.7870, 24.5307

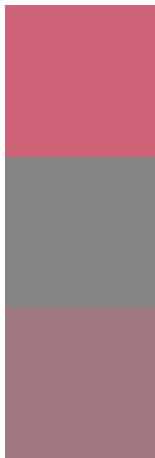
Deuteranomaly

26.5854, 22.7776, 19.8249

Tritanomaly

32.6586, 23.2633, 18.0982

Monochromacy



Original Color

33.3056, 23.4016, 20.5309

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.2309, 22.7068, 23.4751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3056, 23.4016, 20.5309 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, 99, 120)` looks like.

```
.text, #text, p{  
    color:rgb(206, 99, 120)  
}
```

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, 99, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 99, 120) }
```

Border

The CSS property to change the border of an element to XYZ 33.3056, 23.4016, 20.5309 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, 99, 120) }
```


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

```
.border{ border-color:rgb(206, 99, 120) }
```

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

Here you see how a box with a 4 pixel rgb(206, 99, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 99, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 99, 120);  
box-shadow:4px 4px 4px 4px rgb(206, 99,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3056, 23.4016, 20.5309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 99, 120) }
```

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

```
.background{ background-color: rgb(206, 99,  
120) }
```

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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