

Converting Colors

XYZ(33.2120, 23.3106, 16.1135)

Have a look what the booklet for
XYZ(33.2120, 23.3106, 16.1135)
contains.

XYZ(33.2120, 23.3106, 16.1135)	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(33.2120, 23.3106,
16.1135)**

Conversions

Conversions Part 1

Format	Color
Hex	D16269
RGB	209, 98, 105
RGB Percent	82%, 38%, 41%
CMY	0.1804, 0.6157, 0.5882
CMYK	0.00, 0.53, 0.50, 0.18
HSL	356°, 55%, 60%
HSV	356°, 53%, 82%
XYZ	33.2120, 23.3106, 16.1135
YIQ	131.9870, 63.9090, 25.7090

Conversions

Conversions Part 2

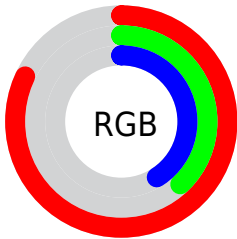
Format	Color
R_{YB}	209, 98, 105
Decimal	13722217
CIE _{Lab}	55.39, 44.45, 17.30
CIE _{LCh}	55, 47.701, 21.263
Yxy	23.3106, 0.4572, 0.3209
Android (android.graphics.Color)	4291912297 (0xFFD16269)
YUV	131.9870, -13.3046, 67.5404
Hunter-Lab	48.2811, 38.2963, 14.0091

Details

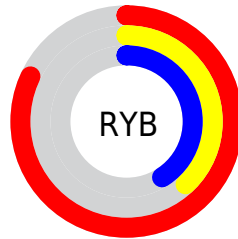
The XYZ color **33.2120, 23.3106, 16.1135** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.4995, 52.4624, 63.9779**, and the grayscale version is **21.9585, 23.1021, 25.1581**.

A 20% lighter version of the original color is **58.4690, 46.1168, 37.2723**, and **14.2798, 8.6663, 4.9231** is the 20% darker color. If you saturate the color by 10%, you get **30.6121, 19.5405, 10.8398**, and if you desaturate by 10%, it is **36.5553, 28.1968, 22.7787**.

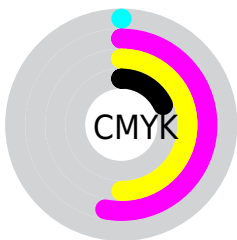
Distribution



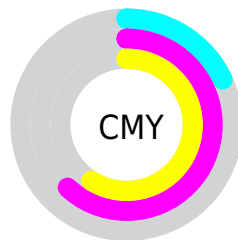
- Red (82%)
- Green (38%)
- Blue (41%)



- Red (82%)
- Yellow (38%)
- Blue (41%)



- Cyan (0%)
- Magenta (53%)
- Yellow (50%)
- Black (18%)





- Cyan (18%)
- Magenta (62%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2120, 23.3106, 16.1135 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 33.2120, 23.3106, 16.1135 by changing the saturation by 10% instead.


 33.2120, 23.3106,
16.1135


 33.2120, 23.3106,
16.1135


308.2521,
269.3163, 241.8791


 22.4489, 14.8230,
9.4493

 64.0588, 48.9028,
37.5647


 14.3056, 8.6953,
4.9346


 84.8733, 66.7763,
53.1887

 8.4166, 4.5430,
2.1509


 109.7689, 88.5471,
72.6364

 4.4167, 1.9817,
0.6458

 139.1111,
114.5998, 96.3263

 1.9405, 0.5968,
0.0000

173.2651,
145.3186, 124.6770

 0.6002, 0.0000,
0.0000

212.5964,

 0.0000, 0.0000,

181.0881, 158.1070

0.0000

257.4702,
222.2925, 197.0348

■ 33.2120, 23.3106,
16.1135

■ 33.2120, 23.3106,
16.1135

■ 30.6121, 19.5405,
10.8398

■ 36.5553, 28.1968,
22.7787

■ 28.6972, 16.7951,
6.8580

■ 40.6911, 34.2737,
30.9232

■ 27.4027, 14.9747,
4.0570

■ 45.6664, 41.6139,
40.6290

■ 26.6510, 13.9580,
2.3064

■ 51.5239, 50.2830,
51.9715

■ 26.3682, 13.5848,
1.6189

■ 58.3035, 60.3423,
65.0216

■ 66.0427, 71.8489,
79.8456

■ 74.7768, 84.8570,
96.5067

■ 80.1044, 92.2953,
108.2006

Harmonies

Analogous

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



33.9800, 23.3106, 30.1325



33.2120, 23.3106, 16.1135



29.2490, 23.3106, 8.6207

Triad

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



33.2120, 23.3106, 16.1135



15.0517, 23.3106, 11.0323



20.6275, 23.3106, 67.1453

Complementary

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



33.2120, 23.3106, 16.1135



38.4995, 52.4624, 63.9779

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.



16.3139, 23.3106, 56.0576



33.2120, 23.3106, 16.1135



13.4528, 23.3106, 21.1578

Square

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



33.2120, 23.3106, 16.1135



18.6256, 23.3106, 6.6177



13.8743, 23.3106, 37.6570



26.1066, 23.3106, 64.0080

Rectangle

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



33.2120, 23.3106, 16.1135



25.6333, 23.3106, 6.4377



13.8743, 23.3106, 37.6570



19.0084, 23.3106, 64.8360

Sweetspot

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



33.2126, 23.3118, 16.1139



77.8318, 74.4523, 75.7581



40.1260, 25.8409, 63.1944



16.2443, 15.3217, 15.4124



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.



33.2126, 23.3118, 16.1139



47.4523, 29.8407, 15.8509



38.7942, 35.0270, 16.2731



11.8385, 11.8201, 12.4254



16.2705, 8.3811, 1.0649



0.9206, 0.4729, 0.1166

Inverse Universe

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



33.2126, 23.3118, 16.1139



47.4523, 29.8407, 15.8509



29.2742, 32.6563, 65.0819



11.8385, 11.8201, 12.4254



16.2705, 8.3811, 1.0649



0.9206, 0.4729, 0.1166

Previews

White Background



This preview shows how the XYZ color 33.2120, 23.3106, 16.1135 looks on a white background.

Color Contrast Check

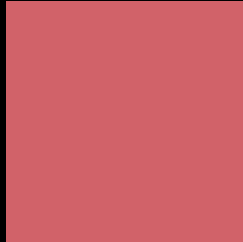
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2120, 23.3106, 16.1135 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 33.2120, 23.3106, 16.1135

Background



This preview shows how black text looks on a background with the XYZ color 33.2120, 23.3106, 16.1135.



This preview shows how white text looks on a background with the XYZ color 33.2120, 23.3106,

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

33.2120, 23.3106, 16.1135

Protanopia

22.3816, 23.5835, 21.7848

Deuteranopia

23.9240, 23.5265, 15.3367



Tritanopia

33.2120, 23.3106, 16.1135

Trichromacy



Original Color

33.2120, 23.3106, 16.1135

Protanomaly

25.1787, 22.5864, 19.5555

Deuteranomaly

26.6641, 22.9120, 15.5875

Tritanomaly

33.2120, 23.3106, 16.1135

Monochromacy



Original Color

33.2120, 23.3106, 16.1135

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.7265, 22.3117, 21.4157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2120, 23.3106, 16.1135 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(209, 98, 105)` looks like.

```
.text, #text, p{  
    color:rgb(209, 98, 105)  
}
```

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(209, 98, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 98, 105) }
```

Border

The CSS property to change the border of an element to XYZ 33.2120, 23.3106, 16.1135 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(209, 98, 105) }
```


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

```
.border{ border-color:rgb(209, 98, 105) }
```

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

Here you see how a box with a 4 pixel rgb(209, 98, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 98, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 98, 105);  
box-shadow:4px 4px 4px 4px rgb(209, 98,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2120, 23.3106, 16.1135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 98, 105) }
```

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

```
.background{ background-color: rgb(209, 98,  
105) }
```

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