

Converting Colors

XYZ(31.7234, 20.6293, 18.7896)

Have a look what the booklet for
XYZ(31.7234, 20.6293, 18.7896)
contains.

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Color

**XYZ(31.6992, 20.5693,
18.8225)**

Conversions

Conversions Part 1

Format	Color
Hex	CE5374
RGB	206, 83, 116
RGB Percent	81%, 33%, 45%
CMY	0.1922, 0.6745, 0.5451
CMYK	0.00, 0.60, 0.44, 0.19
HSL	344°, 56%, 57%
HSV	344°, 60%, 81%
XYZ	31.6992, 20.5693, 18.8225
YIQ	123.5390, 62.7150, 36.3390

Conversions

Conversions Part 2

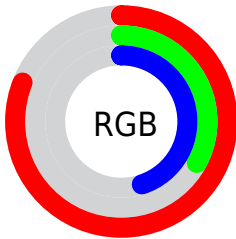
Format	Color
R_{YB}	206, 83, 116
Decimal	13521780
CIE _{Lab}	52.47, 51.59, 6.65
CIE _{LCh}	52, 52.018, 7.342
Yxy	20.5693, 0.4459, 0.2893
Android (android.graphics.Color)	4291711860 (0xFFCE5374)
YUV	123.5390, -3.7167, 72.3183
Hunter-Lab	45.3534, 45.3920, 7.1409

Details

The XYZ color **31.6992, 20.5693, 18.8225** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **33.1826, 48.9992, 47.2475**, and the grayscale version is **19.0032, 19.9928, 21.7722**.

A 20% lighter version of the original color is **57.2535, 41.9785, 42.1309**, and **13.4026, 7.2737, 6.1664** is the 20% darker color. If you saturate the color by 10%, you get **29.5437, 17.5497, 14.1233**, and if you desaturate by 10%, it is **34.4662, 24.5843, 24.4279**.

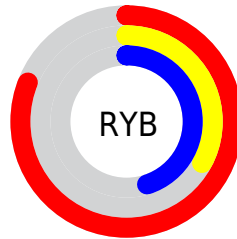
Distribution



Red (81%)

Green (33%)

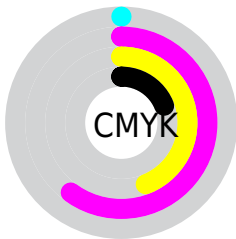
Blue (45%)



Red (81%)

Yellow (33%)

Blue (45%)

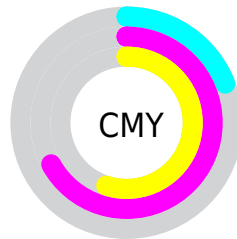


Cyan (0%)

Magenta (60%)

Yellow (44%)

Black (19%)



Cyan (19%)


Magenta (67%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6992, 20.5693, 18.8225 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 31.6992, 20.5693, 18.8225 by changing the saturation by 10% instead.

 31.6992, 20.5693,
18.8225


 31.6992, 20.5693,
18.8225


301.5164,
254.9806, 257.8571


 21.2863, 12.8095,
11.3666


 61.7076, 44.3696,
42.2666


 13.4471, 7.2975,
6.1967


 82.0338, 61.1790,
59.0920

 7.8162, 3.6489,
2.8943


 106.3952, 81.7736,
79.8775

 4.0284, 1.4791,
1.0409

 135.1570,
106.5380, 105.0417

 1.7182, 0.2740,
0.0000

 168.6847,
135.8565, 135.0033

 0.4676, 0.0000,
0.0000

207.3436,

 0.0000, 0.0000,

170.1135, 170.1807

0.0000

251.4990,
209.6934, 210.9924

■ 31.6992, 20.5693,
18.8225

■ 31.6992, 20.5693,
18.8225

■ 29.5437, 17.5497,
14.1233

■ 34.4662, 24.5843,
24.4279

■ 27.9484, 15.4336,
10.2789

■ 37.8870, 29.6691,
30.9845

■ 26.8557, 14.1178,
7.2336

■ 42.0022, 35.8948,
38.5358

■ 26.1667, 13.4176,
4.9143

■ 46.8481, 43.3256,
47.1217

■ 26.1493, 13.4001,
4.8554

■ 52.4588, 52.0206,
56.7803

■ 58.8660, 62.0352,
67.5474

■ 66.0997, 73.4215,
79.4572

■ 74.1882, 86.2287,
92.5425

■ 78.7313, 91.6489,
105.3588

Harmonies

Analogous

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



30.7252, 20.5693, 35.8464



31.6992, 20.5693, 18.8225



28.9740, 20.5693, 8.8111

Triad

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



31.6992, 20.5693, 18.8225



13.9269, 20.5693, 6.1422



15.8326, 20.5693, 62.3294

Complementary

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



31.6992, 20.5693, 18.8225



33.1826, 48.9992, 47.2475

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.



12.4300, 20.5693, 45.5801



31.6992, 20.5693, 18.8225



11.4787, 20.5693, 12.8181

Square

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



31.6992, 20.5693, 18.8225



18.2591, 20.5693, 3.9968



10.9860, 20.5693, 26.3964



20.9014, 20.5693, 66.4580

Rectangle

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



31.6992, 20.5693, 18.8225



25.6760, 20.5693, 5.5749



10.9860, 20.5693, 26.3964



14.4861, 20.5693, 57.7091

Sweetspot

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



31.6997, 20.5704, 18.8229



77.1712, 72.1525, 78.5548



31.0621, 19.3189, 60.4840



15.9841, 14.6207, 15.8825



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.



31.6997, 20.5704, 18.8229



46.9486, 27.1895, 20.7508



32.5540, 24.8241, 11.2609



11.3339, 11.2623, 12.2927



16.1369, 8.2653, 3.1736



0.8648, 0.4393, 0.3339

Inverse Universe

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



31.6997, 20.5704, 18.8229



46.9486, 27.1895, 20.7508



30.8991, 38.6768, 64.2291



11.3339, 11.2623, 12.2927



16.1369, 8.2653, 3.1736



0.8648, 0.4393, 0.3339

Previews

White Background



This preview shows how the XYZ color 31.6992, 20.5693, 18.8225 looks on a white background.

Color Contrast Check

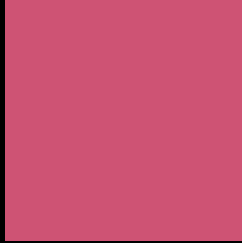
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6992, 20.5693, 18.8225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

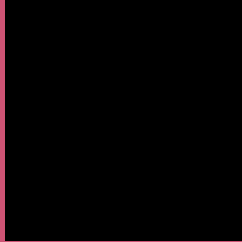
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6992, 20.5693, 18.8225

Background



This preview shows how black text looks on a background with the XYZ color 31.6992, 20.5693, 18.8225.



This preview shows how white text looks on a background with the XYZ color 31.6992, 20.5693,

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

31.6992, 20.5693, 18.8225

Protanopia

20.3794, 20.8458, 27.7605

Deuteranopia

20.9795, 20.6402, 17.6301



Tritanopia

30.2858, 20.4441, 12.7058

Trichromacy



Original Color

31.6992, 20.5693, 18.8225

Protanomaly

22.9991, 19.6606, 24.0554

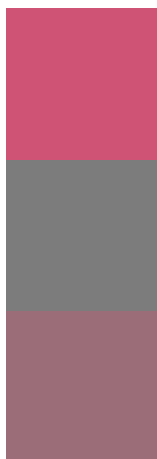
Deuteranomaly

23.9082, 19.7922, 17.8894

Tritanomaly

30.8536, 20.5743, 14.6570

Monochromacy



Original Color

31.6992, 20.5693, 18.8225

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

22.2463, 19.1878, 20.6203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6992, 20.5693, 18.8225 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, 83, 116)` looks like.

```
.text, #text, p{  
    color:rgb(206, 83, 116)  
}
```

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, 83, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 83, 116) }
```

Border

The CSS property to change the border of an element to XYZ 31.6992, 20.5693, 18.8225 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, 83, 116) }
```


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

```
.border{ border-color:rgb(206, 83, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 83, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 83, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 83, 116);  
box-shadow:4px 4px 4px 4px rgb(206, 83,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6992, 20.5693, 18.8225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 83, 116) }
```

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

```
.background{ background-color: rgb(206, 83,  
116) }
```

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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