

Converting Colors

XYZ(31.2551, 16.6129, 12.7570)

Have a look what the booklet for
XYZ(31.2551, 16.6129, 12.7570)
contains.

XYZ(31.2895, 16.6478, 12.8735)	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(31.2895, 16.6478,
12.8735)**

Conversions

Conversions Part 1

Format	Color
Hex	D92061
RGB	217, 32, 97
RGB Percent	85%, 13%, 38%
CMY	0.1490, 0.8744, 0.6196
CMYK	0.00, 0.85, 0.55, 0.15
HSL	339°, 74%, 49%
HSV	339°, 85%, 85%
XYZ	31.2895, 16.6478, 12.8735
YIQ	94.7250, 89.3950, 59.4350

Conversions

Conversions Part 2

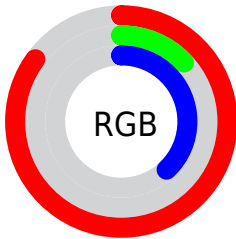
Format	Color
R_{YB}	217, 32, 97
Decimal	14229601
CIE Lab	47.81, 70.19, 11.86
CIE LCh	48, 71.180, 9.592
Yxy	16.6478, 0.5145, 0.2738
Android (android.graphics.Color)	4292419681 (0xFFD92061)
YUV	94.7250, 1.1216, 107.2352
Hunter-Lab	40.8017, 65.4828, 9.8544

Details

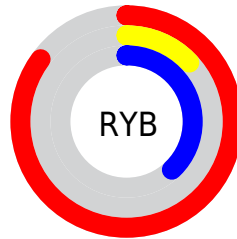
The XYZ color **31.2895, 16.6478, 12.8735** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **31.0780, 52.2006, 38.1513**, and the grayscale version is **10.7961, 11.3583, 12.3692**.

A 20% lighter version of the original color is **51.1601, 32.6739, 31.2140**, and **14.1151, 7.2076, 3.7792** is the 20% darker color. If you saturate the color by 10%, you get **30.2856, 15.5990, 9.5828**, and if you desaturate by 10%, it is **32.7948, 18.5133, 16.9063**.

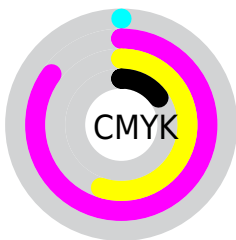
Distribution



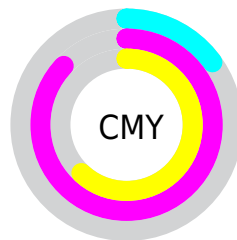
- Red (85%)
- Green (13%)
- Blue (38%)



- Red (85%)
- Yellow (13%)
- Blue (38%)



- Cyan (0%)
- Magenta (85%)
- Yellow (55%)
- Black (15%)





- Cyan (15%)
- Magenta (87%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2895, 16.6478, 12.8735 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 31.2895, 16.6478, 12.8735 by changing the saturation by 10% instead.


 31.2895, 16.6478,
12.8735


 31.2895, 16.6478,
12.8735


299.6730,
233.1345, 221.2846

 20.9723, 9.9837,
7.2118


 61.0683, 37.7192,
31.7642


 13.2161, 5.3882,
3.5145


 81.2607, 52.8953,
45.8302


 7.6555, 2.4768,
1.3629


 105.4754, 71.6776,
63.5348

 3.9253, 0.8650,
0.1126

 134.0779, 94.4503,
85.2965

 1.6600, 0.0000,
0.0000

 167.4336,
121.5980, 111.5338

 0.4310, 0.0000,
0.0000

 205.9078,

 0.0000, 0.0000,

153.5050, 142.6652

0.0000

249.8658,
190.5557, 179.1093

■ 31.2895, 16.6478,
12.8735

■ 31.2895, 16.6478,
12.8735

■ 30.2856, 15.5990,
9.5828

■ 32.7948, 18.5133,
16.9063

■ 29.9277, 15.2767,
8.2507

■ 34.8713, 21.3254,
21.7321

■ 37.5780, 25.1939,
27.3972

■ 40.9658, 30.2123,
33.9432

■ 45.0800, 36.4641,
41.4087

■ 49.9621, 44.0247,
49.8297

■ 55.6503, 52.9634,
59.2401

■ 62.1799, 63.3449,
69.6722

■ 69.5845, 75.2295,
81.1567

Harmonies

Analogous

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



30.3548, 16.6478, 33.3702



31.2895, 16.6478, 12.8735



27.3029, 16.6478, 3.6791

Triad

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



31.2895, 16.6478, 12.8735



9.2144, 16.6478, 2.2856



11.9146, 16.6478, 75.1345

Complementary

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



31.2895, 16.6478, 12.8735



31.0780, 52.2006, 38.1513

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.



8.1192, 16.6478, 51.0641



31.2895, 16.6478, 12.8735



6.8766, 16.6478, 8.4182

Square

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



31.2895, 16.6478, 12.8735



13.8633, 16.6478, 0.8565



6.5384, 16.6478, 24.6437



17.9598, 16.6478, 79.6509

Rectangle

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



31.2895, 16.6478, 12.8735



22.8910, 16.6478, 1.5656



6.5384, 16.6478, 24.6437



10.3843, 16.6478, 68.5475

Sweetspot

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



31.2899, 16.6488, 12.8738



71.2556, 62.2792, 70.5465



25.4675, 12.4497, 66.7062



14.7060, 12.4824, 14.1682



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.



31.2899, 16.6488, 12.8738



43.0676, 21.9910, 11.5539



30.3237, 17.7511, 3.1959



13.2440, 13.1267, 14.5461



18.1621, 9.2659, 5.2339



1.2167, 0.6163, 0.5499

Inverse Universe

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



31.2899, 16.6488, 12.8738



43.0676, 21.9910, 11.5539



32.0440, 43.1640, 72.2881



13.2440, 13.1267, 14.5461



18.1621, 9.2659, 5.2339



1.2167, 0.6163, 0.5499

Previews

White Background



This preview shows how the XYZ color 31.2895, 16.6478, 12.8735 looks on a white 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

Black Background



This preview shows how the XYZ color 31.2895, 16.6478, 12.8735 looks on a black 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

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

XYZ 31.2895, 16.6478, 12.8735

Background



This preview shows how black text looks on a background with the XYZ color 31.2895, 16.6478, 12.8735.



This preview shows how white text looks on a background with the XYZ color 31.2895, 16.6478,

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

31.2895, 16.6478, 12.8735

Protanopia

16.7795, 16.9028, 25.6707

Deuteranopia

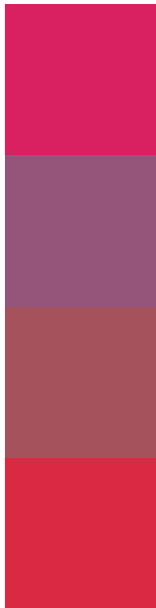
17.1689, 16.9248, 11.5944



Tritanopia

29.5743, 16.6935, 4.4597

Trichromacy



Original Color

31.2895, 16.6478, 12.8735

Protanomaly

19.0776, 14.1353, 20.1352

Deuteranomaly

20.2155, 14.6824, 11.6660

Tritanomaly

30.1302, 16.6482, 6.7796

Monochromacy



Original Color

31.2895, 16.6478, 12.8735

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

15.0761, 10.9682, 12.3888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2895, 16.6478, 12.8735 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(217, 32, 97)` looks like.

```
.text, #text, p{  
    color:rgb(217, 32, 97)  
}
```

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(217, 32, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 32, 97) }
```

Border

The CSS property to change the border of an element to XYZ 31.2895, 16.6478, 12.8735 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(217, 32, 97) }
```


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

```
.border{ border-color:rgb(217, 32, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 32, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 32, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 32, 97);  
box-shadow:4px 4px 4px 4px rgb(217, 32,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2895, 16.6478, 12.8735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 32, 97) }
```

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

```
.background{ background-color: rgb(217, 32,  
97) }
```

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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