

Converting Colors

XYZ(29.8396, 17.3475, 11.1981)

Have a look what the booklet for
XYZ(29.8396, 17.3475, 11.1981)
contains.

XYZ(29.8446, 17.3492, 11.2269)	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(29.8446, 17.3492,
11.2269)**

Conversions

Conversions Part 1

Format	Color
Hex	D23959
RGB	210, 57, 89
RGB Percent	82%, 22%, 35%
CMY	0.1765, 0.7764, 0.6510
CMYK	0.00, 0.73, 0.58, 0.18
HSL	347°, 63%, 52%
HSV	347°, 73%, 82%
XYZ	29.8446, 17.3492, 11.2269
YIQ	106.3950, 80.9160, 42.3880

Conversions

Conversions Part 2

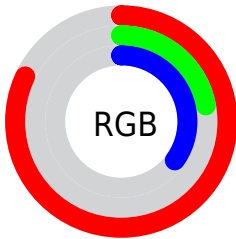
Format	Color
R_{YB}	210, 57, 89
Decimal	13777241
CIE _{Lab}	48.70, 60.98, 17.76
CIE _{LCh}	49, 63.511, 16.241
Yxy	17.3492, 0.5109, 0.2970
Android (android.graphics.Color)	4291967321 (0xFFD23959)
YUV	106.3950, -8.5757, 90.8616
Hunter-Lab	41.6524, 55.0065, 13.1757

Details

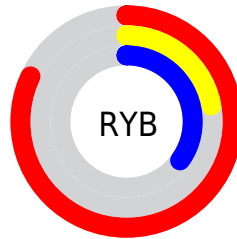
The XYZ color **29.8446, 17.3492, 11.2269** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **32.7714, 50.1778, 50.0831**, and the grayscale version is **13.8166, 14.5361, 15.8298**.

A 20% lighter version of the original color is **52.0309, 35.3855, 28.5139**, and **12.8490, 6.5714, 2.9741** is the 20% darker color. If you saturate the color by 10%, you get **28.3919, 15.4370, 7.6813**, and if you desaturate by 10%, it is **31.8846, 20.1844, 15.7449**.

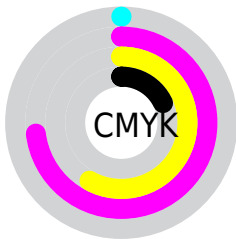
Distribution



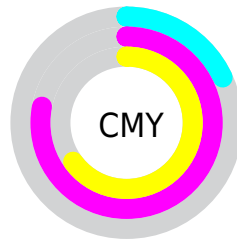
- Red (82%)
- Green (22%)
- Blue (35%)



- Red (82%)
- Yellow (22%)
- Blue (35%)



- Cyan (0%)
- Magenta (73%)
- Yellow (58%)
- Black (18%)





- Cyan (18%)
- Magenta (78%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8446, 17.3492, 11.2269 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 29.8446, 17.3492, 11.2269 by changing the saturation by 10% instead.


 29.8446, 17.3492,
11.2269


 29.8446, 17.3492,
11.2269


293.1023,
237.1768, 210.0107


 19.8681, 10.4838,
6.1036


 58.8047, 38.9252,
28.7220


 12.4069, 5.7209,
2.8384


 78.5190, 54.4046,
41.9309


 7.0956, 2.6761,
1.0127


 102.2099, 73.5240,
58.6720

 3.5688, 0.9651,
0.0000

 130.2429, 96.6680,
79.3640

 1.4612, 0.0000,
0.0000

 162.9833,
124.2209, 104.4253

 0.2992, 0.0000,
0.0000

200.7964,

 0.0000, 0.0000,

156.5670, 134.2745

0.0000

244.0476,
194.0908, 169.3301

■ 29.8446, 17.3492,
11.2269

■ 29.8446, 17.3492,
11.2269

■ 28.3919, 15.4370,
7.6813

■ 31.8846, 20.1844,
15.7449

■ 27.4576, 14.3269,
5.0317

■ 34.5675, 24.0379,
21.3012


■ 27.0311, 13.8827,
3.6289


■ 37.9436, 28.9962,
27.9569


■ 42.0578, 35.1358,
35.7680

■ 46.9512, 42.5264,
44.7863

 52.6617, 51.2322,
55.0608

 59.2249, 61.3130,
66.6374

 66.6740, 72.8250,
79.5599

 75.0406, 85.8211,
93.8701

Harmonies

Analogous

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



30.0325, 17.3492, 27.6510



29.8446, 17.3492, 11.2269



25.5741, 17.3492, 3.8555

Triad

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



29.8446, 17.3492, 11.2269



9.6177, 17.3492, 4.2082



13.9527, 17.3492, 70.7588

Complementary

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



29.8446, 17.3492, 11.2269



32.7714, 50.1778, 50.0831

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.



9.8605, 17.3492, 53.0923



29.8446, 17.3492, 11.2269



7.7889, 17.3492, 12.2082

Square

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



29.8446, 17.3492, 11.2269



13.5354, 17.3492, 1.7601



7.8657, 17.3492, 29.4277



19.8458, 17.3492, 69.8902

Rectangle

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



29.8446, 17.3492, 11.2269



21.4584, 17.3492, 2.0746



7.8657, 17.3492, 29.4277



12.3544, 17.3492, 66.4852

Sweetspot

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



29.8450, 17.3502, 11.2272



73.3520, 66.7455, 70.4023



31.1942, 16.9102, 62.5922



15.2237, 13.5634, 14.2000



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.



29.8450, 17.3502, 11.2272



43.2190, 22.9284, 9.6479



31.9085, 23.1802, 6.6649



11.9084, 11.8481, 12.7936



16.5186, 8.4803, 2.3712



0.9532, 0.4860, 0.2885

Inverse Universe

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



29.8450, 17.3502, 11.2272



43.2190, 22.9284, 9.6479



27.0760, 33.0337, 65.9214



11.9084, 11.8481, 12.7936



16.5186, 8.4803, 2.3712



0.9532, 0.4860, 0.2885

Previews

White Background



This preview shows how the XYZ color 29.8446, 17.3492, 11.2269 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 29.8446, 17.3492, 11.2269 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 29.8446, 17.3492, 11.2269

Background



This preview shows how black text looks on a background with the XYZ color 29.8446, 17.3492, 11.2269.



This preview shows how white text looks on a background with the XYZ color 29.8446, 17.3492,

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

29.8446, 17.3492, 11.2269

Protanopia

16.9275, 17.6267, 19.3397

Deuteranopia

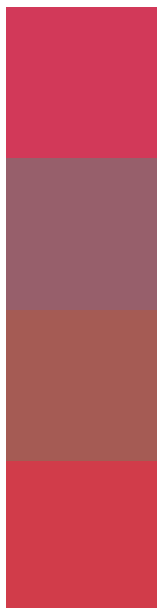
17.8171, 17.4519, 10.2141



Tritanopia

28.9713, 17.3822, 6.8292

Trichromacy



Original Color

29.8446, 17.3492, 11.2269

Protanomaly

19.5085, 15.8253, 15.9363

Deuteranomaly

20.8584, 16.1216, 10.3999

Tritanomaly

29.1464, 17.2814, 8.2780

Monochromacy



Original Color

29.8446, 17.3492, 11.2269

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

17.2916, 13.8288, 13.8145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8446, 17.3492, 11.2269 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(210, 57, 89)` looks like.

```
.text, #text, p{  
  color:rgb(210, 57, 89)  
}
```

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(210, 57, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 57, 89) }
```

Border

The CSS property to change the border of an element to XYZ 29.8446, 17.3492, 11.2269 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(210, 57, 89) }
```


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

```
.border{ border-color:rgb(210, 57, 89) }
```

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

Here you see how a box with a 4 pixel rgb(210, 57, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 57, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 57, 89);  
box-shadow:4px 4px 4px 4px rgb(210, 57,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8446, 17.3492, 11.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 57, 89) }
```

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

```
.background{ background-color: rgb(210, 57,  
89) }
```

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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