

Converting Colors

XYZ(29.9792, 17.5658, 10.0448)

Have a look what the booklet for
XYZ(29.9792, 17.5658, 10.0448)
contains.

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Color

**XYZ(29.9893, 17.6013,
10.0004)**

Conversions

Conversions Part 1

Format	Color
Hex	D33B53
RGB	211, 59, 83
RGB Percent	83%, 23%, 33%
CMY	0.1725, 0.7686, 0.6745
CMYK	0.00, 0.72, 0.61, 0.17
HSL	351°, 63%, 53%
HSV	351°, 72%, 83%
XYZ	29.9893, 17.6013, 10.0004
YIQ	107.1840, 82.8880, 39.6880

Conversions

Conversions Part 2

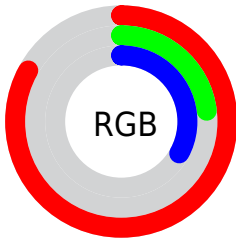
Format	Color
RYB	211, 59, 83
Decimal	13843283
CIELab	49.01, 60.18, 21.85
CIElCh	49, 64.024, 19.953
Yxy	17.6013, 0.5207, 0.3056
Android (android.graphics.Color)	4292033363 (0xFFD33B53)
YUV	107.1840, -11.9227, 91.0466
Hunter-Lab	41.9539, 54.1752, 15.2350

Details

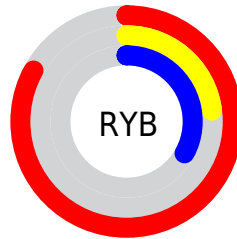
The XYZ color **29.9893, 17.6013, 10.0004** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **34.0690, 51.1068, 55.0877**, and the grayscale version is **14.0431, 14.7745, 16.0894**.

A 20% lighter version of the original color is **51.7661, 35.6485, 25.9823**, and **12.9439, 6.6305, 2.5171** is the 20% darker color. If you saturate the color by 10%, you get **28.5150, 15.6137, 6.5470**, and if you desaturate by 10%, it is **32.0783, 20.5373, 14.5263**.

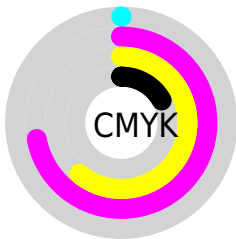
Distribution



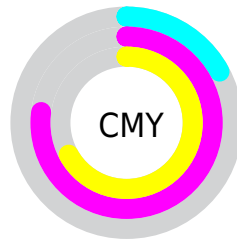
- Red (83%)
- Green (23%)
- Blue (33%)



- Red (83%)
- Yellow (23%)
- Blue (33%)



- Cyan (0%)
- Magenta (72%)
- Yellow (61%)
- Black (17%)





- Cyan (17%)
- Magenta (77%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9893, 17.6013, 10.0004 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 29.9893, 17.6013, 10.0004 by changing the saturation by 10% instead.


 29.9893, 17.6013,
10.0004


 29.9893, 17.6013,
10.0004


293.7653,
238.6141, 201.1598


 19.9785, 10.6641,
5.2936


 59.0320, 39.3568,
26.4041


 12.4876, 5.8415,
2.3588


 78.7946, 54.9438,
38.9381


 7.1512, 2.7489,
0.7639


 102.5385, 74.1830,
54.9182

 3.6040, 1.0021,
0.0000

 130.6291, 97.4587,
74.7630

 1.4806, 0.0000,
0.0000

 163.4317,
125.1552, 98.8910

 0.3126, 0.0000,
0.0000

201.3117,

 0.0000, 0.0000,

157.6570, 127.7208

0.0000

244.6345,
195.3485, 161.6709

■ 29.9893, 17.6013,
10.0004

■ 29.9893, 17.6013,
10.0004

■ 28.5150, 15.6137,
6.5470

■ 32.0783, 20.5373,
14.5263

■ 27.5839, 14.4529,
4.0743


■ 34.8401, 24.5179,
20.2042


■ 27.1427, 13.9604,
2.7254


■ 38.3275, 29.6305,
27.1070


■ 42.5872, 35.9527,
35.3011

■ 47.6625, 43.5553,
44.8481

 53.5932, 52.5034,
55.8057

 60.4163, 62.8578,
68.2282

 68.1669, 74.6757,
82.1670

 76.8781, 88.0109,
97.6711

Harmonies

Analogous

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



30.7519, 17.6013, 25.4844



29.9893, 17.6013, 10.0004



25.2457, 17.6013, 3.4151

Triad

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



29.9893, 17.6013, 10.0004



9.3970, 17.6013, 4.8487



14.8076, 17.6013, 73.1016

Complementary

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



29.9893, 17.6013, 10.0004



34.0690, 51.1068, 55.0877

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.



10.3827, 17.6013, 56.9012



29.9893, 17.6013, 10.0004



7.7879, 17.6013, 13.9872

Square

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



29.9893, 17.6013, 10.0004



13.1135, 17.6013, 1.9031



8.0998, 17.6013, 32.6982



20.9557, 17.6013, 69.5769

Rectangle

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



29.9893, 17.6013, 10.0004



20.9764, 17.6013, 1.9070



8.0998, 17.6013, 32.6982



13.0984, 17.6013, 69.5330

Sweetspot

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



29.9897, 17.6023, 10.0007



72.9955, 66.6029, 68.5250



33.4915, 18.2296, 63.3813



15.1410, 13.5303, 13.7645



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.



29.9897, 17.6023, 10.0007



42.9773, 22.9499, 8.0113



33.1943, 25.2462, 7.2625



11.8837, 11.8382, 12.6636



16.4052, 8.4349, 1.7742



0.9418, 0.4814, 0.2282

Inverse Universe

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



29.9897, 17.6023, 10.0007



42.9773, 22.9499, 8.0113



26.1913, 30.8917, 66.2101



11.8837, 11.8382, 12.6636



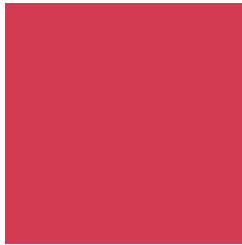
16.4052, 8.4349, 1.7742



0.9418, 0.4814, 0.2282

Previews

White Background



This preview shows how the XYZ color 29.9893, 17.6013, 10.0004 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 29.9893, 17.6013, 10.0004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

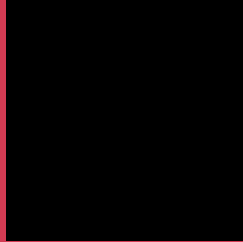
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9893, 17.6013, 10.0004

Background



This preview shows how black text looks on a background with the XYZ color 29.9893, 17.6013, 10.0004.



This preview shows how white text looks on a background with the XYZ color 29.9893, 17.6013,

10.0004.

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

29.9893, 17.6013, 10.0004

Protanopia

17.0068, 17.8917, 17.0251

Deuteranopia

18.0487, 17.7591, 9.1332



Tritanopia

29.2551, 17.5285, 6.8425

Trichromacy



Original Color

29.9893, 17.6013, 10.0004

Protanomaly

19.8095, 16.1559, 14.1309

Deuteranomaly

21.0154, 16.4858, 9.2822

Tritanomaly

29.4168, 17.5070, 7.9596

Monochromacy



Original Color

29.9893, 17.6013, 10.0004

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

17.5378, 14.2139, 13.3745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9893, 17.6013, 10.0004 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(211, 59, 83)` looks like.

```
.text, #text, p{  
    color:rgb(211, 59, 83)  
}
```

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(211, 59, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 59, 83) }
```

Border

The CSS property to change the border of an element to XYZ 29.9893, 17.6013, 10.0004 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(211, 59, 83) }
```


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

```
.border{ border-color:rgb(211, 59, 83) }
```

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

Here you see how a box with a 4 pixel rgb(211, 59, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 59, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 59, 83);  
box-shadow:4px 4px 4px 4px rgb(211, 59,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9893, 17.6013, 10.0004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 59, 83) }
```

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

```
.background{ background-color: rgb(211, 59,  
83) }
```

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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