

Converting Colors

XYZ(25.7399, 13.1578, 5.8670)

Have a look what the booklet for
XYZ(25.7399, 13.1578, 5.8670)
contains.

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Color

**XYZ(25.7990, 13.1963,
5.8900)**

Conversions

Conversions Part 1

Format	Color
Hex	CC003F
RGB	204, 0, 63
RGB Percent	80%, 0%, 25%
CMY	0.2000, 0.9998, 0.7529
CMYK	0.00, 1.00, 0.69, 0.20
HSL	341°, 100%, 40%
HSV	341°, 100%, 80%
XYZ	25.7990, 13.1963, 5.8900
YIQ	68.1780, 101.3610, 62.8410

Conversions

Conversions Part 2

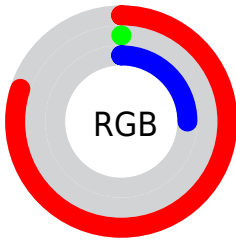
Format	Color
RYB	204, 0, 63
Decimal	13369407
CIELab	43.06, 69.18, 26.18
CIELCh	43, 73.967, 20.732
Yxy	13.1963, 0.5748, 0.2940
Android (android.graphics.Color)	4291559487 (0xFFCC003F)
YUV	68.1780, -2.5528, 119.1159
Hunter-Lab	36.3267, 63.1978, 15.8154

Details

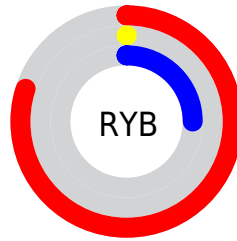
The XYZ color **25.7990, 13.1963, 5.8900** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.4043, 45.1100, 32.5324**, and the grayscale version is **5.5197, 5.8071, 6.3240**.

A 20% lighter version of the original color is **47.3823, 29.0414, 17.8601**, and **11.1293, 5.7206, 1.2767** is the 20% darker color. If you saturate the color by 10%, you get **25.7979, 13.1958, 5.8853**, and if you desaturate by 10%, it is **26.5029, 13.8907, 8.3246**.

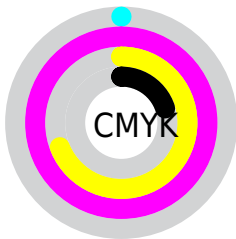
Distribution



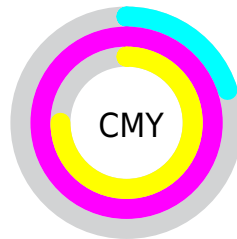
- Red (80%)
- Green (0%)
- Blue (25%)



- Red (80%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7990, 13.1963, 5.8900 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 25.7990, 13.1963, 5.8900 by changing the saturation by 10% instead.


 25.7990, 13.1963,
5.8900


 25.7990, 13.1963,
5.8900


274.0688,
212.1719, 167.3572


 16.8052, 7.5639,
2.7106


 52.3841, 31.6560,
18.1759


 10.1902, 3.8172,
0.9488


 70.7062, 45.2520,
28.1194

 5.5885, 1.5718,
0.0000

 92.8684, 62.2714,
41.1547

 2.6348, 0.3385,
0.0000

 119.2361, 83.0985,
57.7004

 0.9637, 0.0000,
0.0000

 150.1746,
108.1177, 78.1749

 0.0000, 0.0000,
0.0000

 186.0493,

137.7134, 102.9969

227.2256,
172.2700, 132.5848

■ 25.7990, 13.1963,
5.8900

■ 25.7990, 13.1963,
5.8900

■ 25.7979, 13.1958,
5.8853

■ 26.5029, 13.8907,
8.3246

■ 27.5865, 15.1714,
11.4187

■ 29.1492, 17.2273,
15.2370

■ 31.2469, 20.1604,
19.8274

■ 33.9268, 24.0567,
25.2328

■ 37.2311, 28.9921,
31.4927

■ 41.1978, 35.0346,
38.6439

■ 45.8616, 42.2466,
46.7207

■ 51.2549, 50.6856,
55.7558

Harmonies

Analogous

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



26.7240, 13.1963, 20.0248



25.7990, 13.1963, 5.8900



20.8140, 13.1963, 1.2041

Triad

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



25.7990, 13.1963, 5.8900



5.8394, 13.1963, 2.2651



10.8629, 13.1963, 72.7247

Complementary

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



25.7990, 13.1963, 5.8900



26.4043, 45.1100, 32.5324

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.



6.8170, 13.1963, 54.8005



25.7990, 13.1963, 5.8900



4.5506, 13.1963, 9.8923

Square

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



25.7990, 13.1963, 5.8900



9.0567, 13.1963, 0.3537



4.8442, 13.1963, 28.5479



16.8249, 13.1963, 68.0563

Rectangle

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



25.7990, 13.1963, 5.8900



16.5077, 13.1963, 0.3085



4.8442, 13.1963, 28.5479



9.2696, 13.1963, 68.8307

Sweetspot

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



25.7993, 13.1971, 5.8902



67.9341, 57.5698, 63.4790



21.6162, 9.8853, 57.8949



13.9149, 11.3652, 12.4707



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.



25.7993, 13.1971, 5.8902



42.6408, 21.8203, 9.3064



25.5771, 14.1879, 1.3918



11.3525, 11.2698, 12.3911



16.2746, 8.3204, 3.8990



0.8738, 0.4429, 0.3811

Inverse Universe

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



25.7993, 13.1971, 5.8902



42.6408, 21.8203, 9.3064



24.6465, 31.8538, 61.9756



11.3525, 11.2698, 12.3911



16.2746, 8.3204, 3.8990



0.8738, 0.4429, 0.3811

Previews

White Background



This preview shows how the XYZ color 25.7990, 13.1963, 5.8900 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

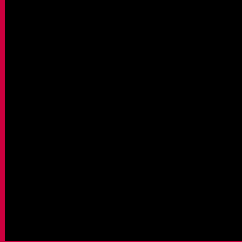
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.7990, 13.1963, 5.8900

Background



This preview shows how black text looks on a background with the XYZ color 25.7990, 13.1963, 5.8900.



This preview shows how white text looks on a background with the XYZ color 25.7990, 13.1963,

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

25.7990, 13.1963, 5.8900

Protanopia

13.1104, 13.8791, 12.3439

Deuteranopia

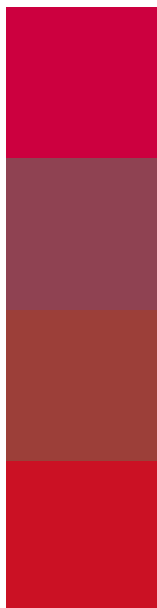
14.0065, 13.7699, 5.2878



Tritanopia

25.1334, 13.4894, 1.9885

Trichromacy



Original Color

25.7990, 13.1963, 5.8900

Protanomaly

14.7989, 10.3453, 9.1995

Deuteranomaly

16.2263, 10.9183, 5.1231

Tritanomaly

25.1475, 13.2248, 2.8963

Monochromacy



Original Color

25.7990, 13.1963, 5.8900

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.1834, 5.9030, 5.8096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7990, 13.1963, 5.8900 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(204, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 63)  
}
```

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(204, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 63) }
```

Border

The CSS property to change the border of an element to XYZ 25.7990, 13.1963, 5.8900 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(204, 0, 63) }
```


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

```
.border{ border-color:rgb(204, 0, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.7990, 13.1963, 5.8900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 63) }
```

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

```
.background{ background-color: rgb(204, 0,  
63) }
```

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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