

Converting Colors

XYZ(13.0858, 7.9992, 57.9810)

Have a look what the booklet for
XYZ(13.0858, 7.9992, 57.9810)
contains.

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Color

**XYZ(13.0745, 7.9583,
57.9737)**

Conversions

Conversions Part 1

Format	Color
Hex	1D3DCC
RGB	29, 61, 204
RGB Percent	11%, 24%, 80%
CMY	0.8862, 0.7608, 0.2000
CMYK	0.86, 0.70, 0.00, 0.20
HSL	229°, 75%, 46%
HSV	229°, 86%, 80%
XYZ	13.0745, 7.9583, 57.9737
YIQ	67.7340, -64.9750, 37.6890

Conversions

Conversions Part 2

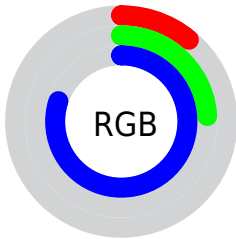
Format	Color
R_{YB}	29, 56, 204
Decimal	1916364
CIE _{Lab}	33.90, 43.04, -76.07
CIE _{LCh}	34, 87.404, 299.498
Yxy	7.9583, 0.1655, 0.1007
Android (android.graphics.Color)	4280106444 (0xFF1D3DCC)
YUV	67.7340, 67.1791, -33.9697
Hunter-Lab	28.2105, 33.3598, -102.0962

Details

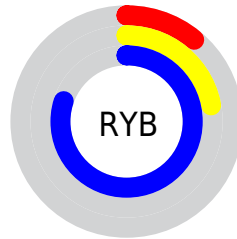
The XYZ color **13.0745, 7.9583, 57.9737** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **39.8808, 42.4399, 7.2535**, and the grayscale version is **5.3564, 5.6353, 6.1368**.

A 20% lighter version of the original color is **29.8253, 21.4085, 97.1680**, and **5.5782, 2.6039, 28.2256** is the 20% darker color. If you saturate the color by 10%, you get **11.9199, 6.2410, 57.7033**, and if you desaturate by 10%, it is **14.8871, 10.4251, 58.3546**.

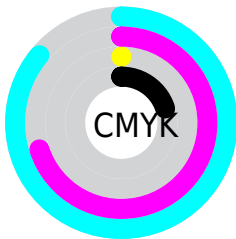
Distribution



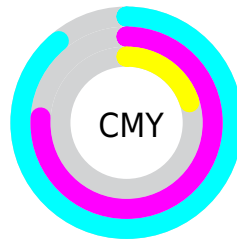
- Red (11%)
- Green (24%)
- Blue (80%)



- Red (11%)
- Yellow (22%)
- Blue (80%)



- Cyan (86%)
- Magenta (70%)
- Yellow (0%)
- Black (20%)



- Cyan (89%)
- Magenta (76%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0745, 7.9583, 57.9737 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 13.0745, 7.9583, 57.9737 by changing the saturation by 10% instead.

■ 13.0745, 7.9583,
57.9737

■ 13.0745, 7.9583,
57.9737

205.0225,
175.4046, 434.6834

■ 7.5572, 4.0683,
41.3729

■ 31.0377, 21.8767,
103.3990

■ 3.8624, 1.7118,
28.2887

■ 44.2144, 32.6738,
133.0605

■ 1.6246, 0.4313,
18.3025

■ 60.6749, 46.5421,
167.9128

■ 0.4083, 0.0000,
10.9957

■ 80.7846, 63.8659,
208.3743

■ 0.0000, 0.0000,
5.9498

■ 104.9089, 85.0296,
254.8636

■ 0.0000, 0.0000,
2.7463

■ 133.4131,

■ 0.0000, 0.0000,

110.4178, 307.7992

0.9666

166.6625,
140.4146, 367.5996

■ 0.0000, 0.0000,
0.0000

■ 13.0745, 7.9583,
57.9737

■ 13.0745, 7.9583,
57.9737

■ 11.9199, 6.2410,
57.7033

■ 14.8871, 10.4251,
58.3546

■ 11.5695, 5.7004,
57.6175

■ 17.4451, 13.7214,
58.8560

■ 20.8230, 17.9163,
59.4876

■ 25.0852, 23.0710,
60.2580

■ 30.2899, 29.2416,
61.1747

■ 36.4898, 36.4793,
62.2449

■ 43.7341, 44.8321,
63.4754

■ 52.0682, 54.3449,
64.8723

■ 61.5353, 65.0601,
66.4416

Harmonies

Analogous

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



7.4837, 7.9583, 70.9956



13.0745, 7.9583, 57.9737



18.6173, 7.9583, 30.1723

Triad

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



13.0745, 7.9583, 57.9737



13.2769, 7.9583, 0.0000



1.5822, 7.9583, 8.4361

Complementary

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



13.0745, 7.9583, 57.9737



39.8808, 42.4399, 7.2535

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.



2.0757, 7.9583, 0.9844



13.0745, 7.9583, 57.9737



7.6451, 7.9583, 0.0000

Square

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



13.0745, 7.9583, 57.9737



18.7649, 7.9583, 1.0813



3.8712, 7.9583, 0.0000



2.0418, 7.9583, 29.2617

Rectangle

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



13.0745, 7.9583, 57.9737



20.7380, 7.9583, 14.4255



3.8712, 7.9583, 0.0000



1.6372, 7.9583, 4.6878

Sweetspot

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



13.0750, 7.9584, 57.9740



59.8058, 59.6882, 102.9766



29.5390, 46.4229, 46.3934



11.9957, 11.8390, 21.9029



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.



13.0750, 7.9584, 57.9740



19.0507, 9.2213, 95.3836



15.0338, 7.1441, 57.7135



10.7648, 11.1701, 14.1591



7.3317, 3.6873, 36.2816



0.4298, 0.2933, 1.8889

Inverse Universe

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



26.1840, 14.0540, 5.7472



41.7451, 21.4620, 4.5897



34.1347, 49.6258, 8.9434



11.2947, 11.2466, 12.0863



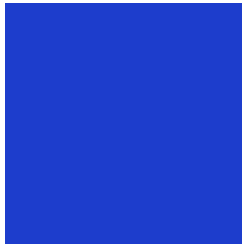
15.9116, 8.1752, 1.9872



0.8469, 0.4322, 0.2395

Previews

White Background



This preview shows how the XYZ color 13.0745, 7.9583, 57.9737 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 ✓ Pass

Black Background



This preview shows how the XYZ color 13.0745, 7.9583, 57.9737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

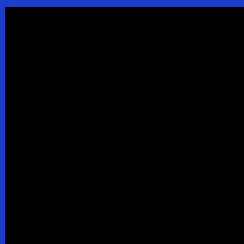
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0745, 7.9583, 57.9737

Background



This preview shows how black text looks on a background with the XYZ color 13.0745, 7.9583, 57.9737.



This preview shows how white text looks on a background with the XYZ color 13.0745, 7.9583,

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

13.0745, 7.9583, 57.9737

Protanopia

9.0175, 7.7421, 34.7373

Deuteranopia

7.5327, 7.8407, 24.7833



Tritanopia

5.4655, 7.7698, 11.5676

Trichromacy



Original Color

13.0745, 7.9583, 57.9737

Protanomaly

10.3271, 7.7519, 42.5470

Deuteranomaly

9.0198, 7.5419, 34.6986

Tritanomaly

7.0960, 7.2134, 23.2086

Monochromacy



Original Color

13.0745, 7.9583, 57.9737

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

6.6225, 5.8492, 17.6096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0745, 7.9583, 57.9737 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(29, 61, 204)` looks like.

```
.text, #text, p{  
    color:rgb(29, 61, 204)  
}
```

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(29, 61, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 61, 204) }
```

Border

The CSS property to change the border of an element to XYZ 13.0745, 7.9583, 57.9737 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(29, 61, 204) }
```


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

```
.border{ border-color:rgb(29, 61, 204) }
```

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

Here you see how a box with a 4 pixel rgb(29, 61, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 61, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 61, 204);  
box-shadow:4px 4px 4px 4px rgb(29, 61,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0745, 7.9583, 57.9737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 61, 204) }
```

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

```
.background{ background-color: rgb(29, 61,  
204) }
```

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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