

Converting Colors

XYZ(13.1914, 10.8386, 52.3180)

Have a look what the booklet for
XYZ(13.1914, 10.8386, 52.3180)
contains.

XYZ(13.2273, 10.8745, 52.4408)	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(13.2273, 10.8745,
52.4408)**

Conversions

Conversions Part 1

Format	Color
Hex	0058C2
RGB	0, 88, 194
RGB Percent	0%, 35%, 76%
CMY	0.9999, 0.6549, 0.2392
CMYK	1.00, 0.55, 0.00, 0.24
HSL	213°, 100%, 38%
HSV	213°, 100%, 76%
XYZ	13.2273, 10.8745, 52.4408
YIQ	73.7720, -86.4740, 14.3100

Conversions

Conversions Part 2

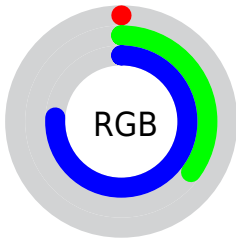
Format	Color
RYB	0, 61, 194
Decimal	22722
CIELab	39.37, 20.45, -61.31
CIELCh	39, 64.630, 288.448
Yxy	10.8745, 0.1728, 0.1421
Android (android.graphics.Color)	4278212802 (0xFF0058C2)
YUV	73.7720, 59.2724, -64.6980
Hunter-Lab	32.9765, 13.8898, -71.2022

Details

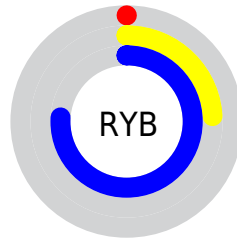
The XYZ color **13.2273, 10.8745, 52.4408** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **27.4064, 21.7853, 2.7616**, and the grayscale version is **6.3803, 6.7125, 7.3100**.

A 20% lighter version of the original color is **31.2880, 27.3977, 94.9060**, and **5.5609, 3.6654, 24.8405** is the 20% darker color. If you saturate the color by 10%, you get **13.2257, 10.8712, 52.4405**, and if you desaturate by 10%, it is **14.4391, 12.8864, 52.7656**.

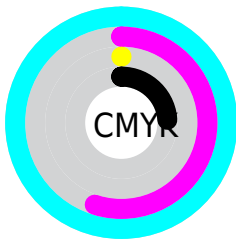
Distribution



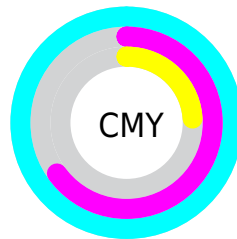
- Red (0%)
- Green (35%)
- Blue (76%)



- Red (0%)
- Yellow (24%)
- Blue (76%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (65%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2273, 10.8745, 52.4408 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 13.2273, 10.8745, 52.4408 by changing the saturation by 10% instead.

■ 13.2273, 10.8745,
52.4408

■ 13.2273, 10.8745,
52.4408

205.9776,
196.8045, 413.1413

■ 7.6633, 5.9825,
36.9719

■ 31.3094, 27.4279,
95.2142

■ 3.9303, 2.8344,
24.8901

■ 44.5582, 39.8580,
123.3558

■ 1.6628, 1.0459,
15.7769

■ 61.0994, 55.5697,
156.5586

■ 0.4328, 0.0000,
9.2138

■ 81.2982, 74.9473,
195.2413

■ 0.0000, 0.0000,
4.7822

■ 105.5201, 98.3751,
239.8224

■ 0.0000, 0.0000,
2.0635

■ 134.1304,

■ 0.0000, 0.0000,

126.2377, 290.7204

0.5939

167.4944,
158.9194, 348.3538

■ 0.0000, 0.0000,
0.0000

■ 13.2273, 10.8745,
52.4408

■ 13.2273, 10.8745,
52.4408

■ 13.2257, 10.8712,
52.4405

■ 14.4391, 12.8864,
52.7656

■ 16.0587, 15.3041,
53.1469

■ 18.1896, 18.1881,
53.5912

■ 20.8870, 21.5736,
54.1025

■ 24.1978, 25.4913,
54.6842

■ 28.1638, 29.9690,
55.3395

■ 32.8228, 35.0320,
56.0712

■ 38.2093, 40.7040,
56.8821

■ 44.3556, 47.0071,
57.7747

Harmonies

Analogous

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



8.7438, 10.8745, 54.4859



13.2273, 10.8745, 52.4408



17.9794, 10.8745, 36.0275

Triad

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



13.2273, 10.8745, 52.4408



16.9661, 10.8745, 1.4218



4.0986, 10.8745, 7.6480

Complementary

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



13.2273, 10.8745, 52.4408



27.4064, 21.7853, 2.7616

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.



5.2394, 10.8745, 1.9800



13.2273, 10.8745, 52.4408



12.1103, 10.8745, 0.3185

Square

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



13.2273, 10.8745, 52.4408



20.5230, 10.8745, 5.7444



7.8999, 10.8745, 0.4592



4.2414, 10.8745, 21.1973

Rectangle

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



13.2273, 10.8745, 52.4408



20.2782, 10.8745, 23.0539



7.8999, 10.8745, 0.4592



4.3279, 10.8745, 5.0212

Sweetspot

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



13.2279, 10.8748, 52.4411



59.0181, 62.9894, 101.5174



21.7649, 39.5731, 19.4510



12.1008, 12.9060, 22.1033



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.



13.2279, 10.8748, 52.4411



23.7145, 19.2016, 94.9262



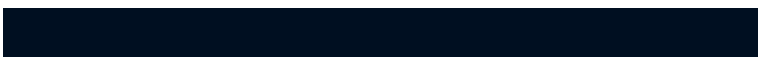
9.8195, 3.9378, 51.2818



9.8961, 10.4835, 12.7868



8.7752, 7.3070, 34.5045



0.4479, 0.4532, 1.5138

Inverse Universe

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



24.0101, 12.1748, 10.3170



43.3731, 22.0056, 18.0267



39.9168, 49.2163, 7.3969



10.2589, 10.1521, 11.4537



15.8253, 8.0199, 6.9921



0.7185, 0.3604, 0.4849

Previews

White Background



This preview shows how the XYZ color 13.2273, 10.8745, 52.4408 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 13.2273, 10.8745, 52.4408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

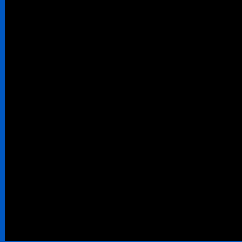
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2273, 10.8745, 52.4408

Background



This preview shows how black text looks on a background with the XYZ color 13.2273, 10.8745, 52.4408.



This preview shows how white text looks on a background with the XYZ color 13.2273, 10.8745,

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

13.2273, 10.8745, 52.4408

Protanopia

12.8666, 10.8625, 50.1337

Deuteranopia

10.7031, 10.8288, 36.1764



Tritanopia

7.6106, 10.8046, 16.1524

Trichromacy



Original Color

13.2273, 10.8745, 52.4408

Protanomaly

12.9763, 10.9063, 50.7114

Deuteranomaly

11.4671, 10.7103, 41.5073

Tritanomaly

9.1013, 10.6288, 26.3828

Monochromacy



Original Color

13.2273, 10.8745, 52.4408

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

7.2383, 7.5043, 18.2065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2273, 10.8745, 52.4408 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(0, 88, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 194)  
}
```

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(0, 88, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 194) }
```

Border

The CSS property to change the border of an element to XYZ 13.2273, 10.8745, 52.4408 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(0, 88, 194) }
```


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

```
.border{ border-color:rgb(0, 88, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 88, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 88, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 88, 194)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2273, 10.8745, 52.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 194) }
```

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

```
.background{ background-color: rgb(0, 88,  
194) }
```

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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