

Converting Colors

XYZ(13.7629, 12.9986, 25.7146)

Have a look what the booklet for
XYZ(13.7629, 12.9986, 25.7146)
contains.

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Color

**XYZ(13.7790, 13.0571,
25.8388)**

Conversions

Conversions Part 1

Format	Color
Hex	60628A
RGB	96, 98, 138
RGB Percent	38%, 38%, 54%
CMY	0.6235, 0.6157, 0.4588
CMYK	0.30, 0.29, 0.00, 0.46
HSL	237°, 18%, 46%
HSV	237°, 30%, 54%
XYZ	13.7790, 13.0571, 25.8388
YIQ	101.9620, -14.0320, 12.0160

Conversions

Conversions Part 2

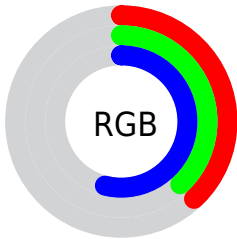
Format	Color
R_{YB}	96, 98, 138
Decimal	6316682
CIE Lab	42.85, 9.00, -22.36
CIE LCh	43, 24.103, 291.929
Yxy	13.0571, 0.2616, 0.2479
Android (android.graphics.Color)	4284506762 (0xFF60628A)
YUV	101.9620, 17.7667, -5.2287
Hunter-Lab	36.1346, 4.8308, -17.1023

Details

The XYZ color **13.7790, 13.0571, 25.8388** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.3971, 23.8565, 14.5439**, and the grayscale version is **12.5774, 13.2324, 14.4101**.

A 20% lighter version of the original color is **32.4746, 31.5966, 54.2563**, and **4.2084, 3.7889, 9.7421** is the 20% darker color. If you saturate the color by 10%, you get **11.3222, 10.1127, 25.4002**, and if you desaturate by 10%, it is **16.6936, 16.5378, 26.3573**.

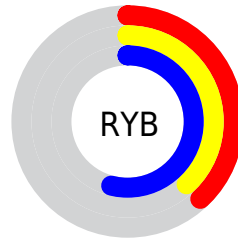
Distribution



Red (38%)

Green (38%)

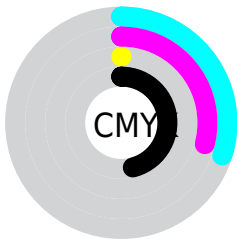
Blue (54%)



Red (38%)

Yellow (38%)

Blue (54%)

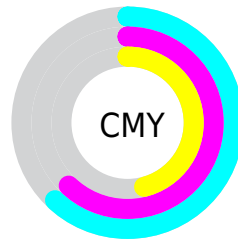


Cyan (30%)

Magenta (29%)

Yellow (0%)

Black (46%)



Cyan (62%)

Magenta (62%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7790, 13.0571, 25.8388 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 13.7790, 13.0571, 25.8388 by changing the saturation by 10% instead.

■ 13.7790, 13.0571,
25.8388

■ 13.7790, 13.0571,
25.8388

209.3899,
211.2833, 295.5701

■ 8.0478, 7.4679,
16.4784

■ 32.2859, 31.4063,
53.9957

■ 4.1776, 3.7564,
9.7053

■ 45.7924, 44.9351,
73.6292

■ 1.8031, 1.5382,
5.1010

■ 62.6212, 61.8792,
97.5242

■ 0.5195, 0.3154,
2.2468

■ 83.1379, 82.6230,
126.0992

■ 0.0000, 0.0000,
0.7012

107.7078,
107.5510, 159.7728

■ 0.0000, 0.0000,
0.0000

136.6961,

137.0474, 198.9634

170.4684,
171.4967, 244.0897

■ 13.7790, 13.0571,
25.8388

■ 13.7790, 13.0571,
25.8388

■ 11.3222, 10.1127,
25.4002

■ 16.6936, 16.5378,
26.3573

■ 9.2986, 7.6765,
25.0366

■ 20.0861, 20.5781,
26.9583

■ 7.6834, 5.7202,
24.7441

■ 23.9771, 25.2015,
27.6456

■ 6.4489, 4.2121,
24.5181

■ 28.3857, 30.4300,
28.4225

■ 5.5638, 3.1166,
24.3533

■ 33.3299, 36.2843,
29.2919

■ 4.9918, 2.3927,
24.2437

■ 38.8268, 42.7842,
30.2568

■ 4.6588, 1.9776,
24.1812

■ 44.8927, 49.9485,
31.3199

■ 51.5435, 57.7954,
32.4840

■ 58.7941, 66.3423,
33.7515

Harmonies

Analogous

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



11.9203, 13.0571, 26.7926



13.7790, 13.0571, 25.8388



15.4089, 13.0571, 21.4244

Triad

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



13.7790, 13.0571, 25.8388



14.7222, 13.0571, 7.6395



9.2269, 13.0571, 12.8414

Complementary

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



13.7790, 13.0571, 25.8388



21.3971, 23.8565, 14.5439

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.



9.8285, 13.0571, 8.8399



13.7790, 13.0571, 25.8388



12.9137, 13.0571, 6.3600

Square

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



13.7790, 13.0571, 25.8388



15.9899, 13.0571, 10.7589



11.1355, 13.0571, 6.7373



9.4094, 13.0571, 18.3463

Rectangle

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



13.7790, 13.0571, 25.8388



16.0865, 13.0571, 17.5970



11.1355, 13.0571, 6.7373



9.3419, 13.0571, 11.3001

Sweetspot

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



13.7794, 13.0576, 25.8391



36.2077, 37.2269, 47.6603



18.3495, 22.4388, 26.6196



7.9356, 8.1290, 10.6571



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.7794, 13.0576, 25.8391



21.0256, 19.1078, 44.9632



15.8278, 13.8393, 25.8820



4.7925, 4.9280, 6.3044



4.2746, 1.8195, 22.1716



0.0306, 0.0164, 0.1480

Inverse Universe

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



16.8691, 14.6513, 13.4946



27.4487, 22.4649, 19.2906



18.8217, 22.9508, 14.5048



5.0419, 5.0522, 5.3091



9.6444, 4.9679, 0.6319



0.0652, 0.0334, 0.0100

Previews

White Background



This preview shows how the XYZ color 13.7790, 13.0571, 25.8388 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 13.7790, 13.0571, 25.8388 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 13.7790, 13.0571, 25.8388

Background



This preview shows how black text looks on a background with the XYZ color 13.7790, 13.0571, 25.8388.



This preview shows how white text looks on a background with the XYZ color 13.7790, 13.0571,

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

13.7790, 13.0571, 25.8388

Protanopia

13.3372, 13.1023, 26.2521

Deuteranopia

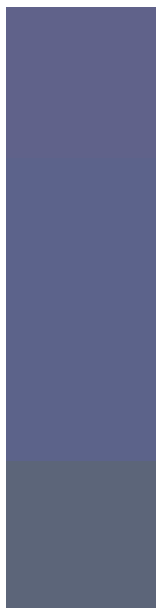
13.3611, 13.1230, 25.8735



Tritanopia

11.9359, 13.0219, 16.9233

Trichromacy



Original Color

13.7790, 13.0571, 25.8388

Protanomaly

13.5357, 13.0631, 26.2341

Deuteranomaly

13.4629, 13.0340, 25.8510

Tritanomaly

12.5185, 12.9631, 19.9315

Monochromacy



Original Color

13.7790, 13.0571, 25.8388

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.0037, 13.2545, 18.0927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7790, 13.0571, 25.8388 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(96, 98, 138) looks like.

```
.text, #text, p{  
    color:rgb(96, 98, 138)  
}
```

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(96, 98, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 98, 138) }
```

Border

The CSS property to change the border of an element to XYZ 13.7790, 13.0571, 25.8388 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(96, 98, 138) }
```


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

```
.border{ border-color:rgb(96, 98, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 98, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 98, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 98, 138);  
box-shadow:4px 4px 4px 4px rgb(96, 98,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7790, 13.0571, 25.8388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 98, 138) }
```

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

```
.background{ background-color: rgb(96, 98,  
138) }
```

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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