

Converting Colors

XYZ(28.7840, 33.6166, 49.1864)

Have a look what the booklet for
XYZ(28.7840, 33.6166, 49.1864)
contains.

XYZ(28.7892, 33.5732, 49.2189)	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(28.7892, 33.5732,
49.2189)**

Conversions

Conversions Part 1

Format	Color
Hex	73A4B6
RGB	115, 164, 182
RGB Percent	45%, 64%, 71%
CMY	0.5490, 0.3569, 0.2863
CMYK	0.37, 0.10, 0.00, 0.29
HSL	196°, 31%, 58%
HSV	196°, 37%, 71%
XYZ	28.7892, 33.5732, 49.2189
YIQ	151.4010, -34.9820, -4.7900

Conversions

Conversions Part 2

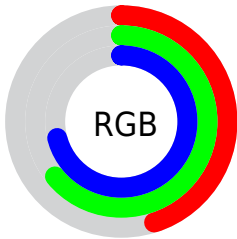
Format	Color
RYB	115, 143, 182
Decimal	7578806
CIELab	64.62, -11.72, -14.49
CIElCh	65, 18.636, 231.028
Yxy	33.5732, 0.2580, 0.3009
Android (android.graphics.Color)	4285768886 (0xFF73A4B6)
YUV	151.4010, 15.0853, -31.9237
Hunter-Lab	57.9424, -12.7098, -9.8040

Details

The XYZ color **28.7892, 33.5732, 49.2189** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.7740, 27.9584, 19.9951**, and the grayscale version is **29.5362, 31.0743, 33.8399**.

A 20% lighter version of the original color is **57.1263, 65.2711, 90.4766**, and **11.8065, 14.2301, 22.8933** is the 20% darker color. If you saturate the color by 10%, you get **25.7701, 30.7435, 48.8324**, and if you desaturate by 10%, it is **32.3165, 36.7164, 49.6403**.

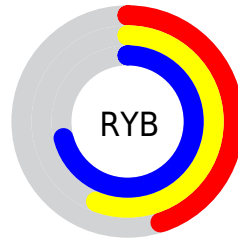
Distribution



Red (45%)

Green (64%)

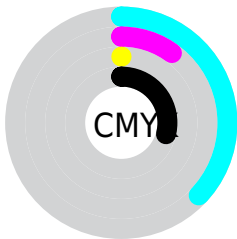
Blue (71%)



Red (45%)

Yellow (56%)

Blue (71%)

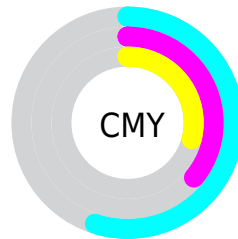


Cyan (37%)

Magenta (10%)

Yellow (0%)

Black (29%)



Cyan (55%)

Magenta (36%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7892, 33.5732, 49.2189 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 28.7892, 33.5732, 49.2189 by changing the saturation by 10% instead.

■ 28.7892, 33.5732,
49.2189

■ 28.7892, 33.5732,
49.2189

288.2312,
318.2247, 400.2507

■ 19.0649, 22.5659,
34.4263

■ 57.1419, 65.2694,
90.4008

■ 11.8215, 14.2733,
22.9413

■ 76.5010, 86.7271,
117.6273

■ 6.6936, 8.3110,
14.3453

■ 99.8023, 112.4371,
149.8354

■ 3.3158, 4.2946,
8.2197

127.4114,
142.7837, 187.4438

■ 1.3229, 1.8397,
4.1461

159.6934,
178.1514, 230.8710

■ 0.2003, 0.5117,
1.7058

197.0139,

■ 0.0000, 0.0000,

218.9246, 280.5355

0.3647

239.7380,
265.4875, 336.8559

■ 0.0000, 0.0000,
0.0000

■ 28.7892, 33.5732,
49.2189

■ 28.7892, 33.5732,
49.2189

■ 25.7701, 30.7435,
48.8324

■ 32.3165, 36.7164,
49.6403

■ 23.2278, 28.2082,
48.4770

■ 36.3749, 40.1831,
50.0955

■ 21.1321, 25.9520,
48.1520

■ 40.9897, 43.9876,
50.5866

■ 19.4478, 23.9560,
47.8555

■ 46.1834, 48.1422,
51.1148

■ 18.1339, 22.1987,
47.5856

■ 51.9774, 52.6583,
51.6811

■ 17.1340, 20.6504,
47.3394

■ 58.3920, 57.5468,
52.2866

■ 16.8461, 20.1825,
47.2643

■ 65.4463, 62.8183,
52.9323

■ 71.0670, 67.4043,
53.5213

■ 72.2408, 69.7519,
53.9125

Harmonies

Analogous

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



27.3543, 33.5732, 42.0890



28.7892, 33.5732, 49.2189



31.1164, 33.5732, 53.0863

Triad

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



28.7892, 33.5732, 49.2189



37.2546, 33.5732, 38.8966



30.1034, 33.5732, 24.4777

Complementary

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



28.7892, 33.5732, 49.2189



30.7740, 27.9584, 19.9951

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.



32.7176, 33.5732, 23.8711



28.7892, 33.5732, 49.2189



36.9460, 33.5732, 31.5296

Square

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



28.7892, 33.5732, 49.2189



36.0703, 33.5732, 46.6042



35.2492, 33.5732, 26.2749



28.0832, 33.5732, 28.0663

Rectangle

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



28.7892, 33.5732, 49.2189



32.9025, 33.5732, 52.9689



35.2492, 33.5732, 26.2749



30.9383, 33.5732, 23.9401

Sweetspot

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



28.7902, 33.5745, 49.2197



70.5266, 76.6543, 91.3143



28.0234, 38.7912, 28.1534



15.3281, 16.7252, 20.1420



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.7902, 33.5745, 49.2197



47.7797, 56.7532, 88.6719



23.5817, 23.1574, 47.4835



9.0571, 9.7914, 11.4920



11.9534, 14.3666, 33.3961



0.4695, 0.6028, 1.1933

Inverse Universe

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



32.1238, 24.8878, 38.2342



54.8593, 39.3611, 65.1051



36.0896, 38.5896, 21.7669



9.2752, 9.1204, 10.7965



16.6472, 8.2326, 16.5609



0.6112, 0.2999, 0.7118

Previews

White Background



This preview shows how the XYZ color 28.7892, 33.5732, 49.2189 looks on a white background.

Color Contrast Check

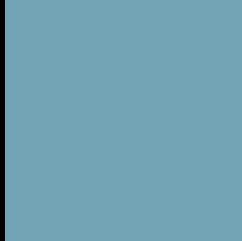
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.7892, 33.5732, 49.2189 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 ✓ Pass

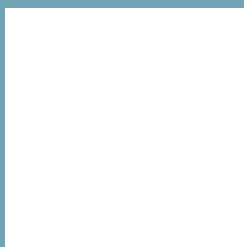
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7892, 33.5732, 49.2189

Background



This preview shows how black text looks on a background with the XYZ color 28.7892, 33.5732, 49.2189.



This preview shows how white text looks on a background with the XYZ color 28.7892, 33.5732,

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

28.7892, 33.5732, 49.2189

Protanopia

32.6947, 33.3496, 45.7882

Deuteranopia

34.1435, 33.5123, 50.0164



Tritanopia

28.4304, 33.7020, 47.1262

Trichromacy



Original Color

28.7892, 33.5732, 49.2189

Protanomaly

30.9102, 33.1570, 46.8903

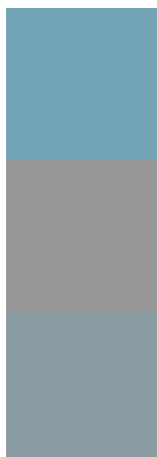
Deuteranomaly

31.7595, 33.2836, 49.5502

Tritanomaly

28.5312, 33.7423, 47.6570

Monochromacy



Original Color

28.7892, 33.5732, 49.2189

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.8913, 31.7888, 38.7955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7892, 33.5732, 49.2189 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(115, 164, 182)` looks like.

```
.text, #text, p{  
    color:rgb(115, 164, 182)  
}
```

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(115, 164, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 164, 182) }
```

Border

The CSS property to change the border of an element to XYZ 28.7892, 33.5732, 49.2189 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(115, 164, 182) }
```


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

```
.border{ border-color:rgb(115, 164, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 164, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 164, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 164, 182);  
box-shadow:4px 4px 4px 4px rgb(115, 164,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7892, 33.5732, 49.2189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 164, 182) }
```

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

```
.background{ background-color: rgb(115,  
164, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor