

Converting Colors

XYZ(27.8027, 31.1438, 49.8929)

Have a look what the booklet for
XYZ(27.8027, 31.1438, 49.8929)
contains.

XYZ(27.9112, 31.2876, 49.9154)	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(27.9112, 31.2876,
49.9154)**

Conversions

Conversions Part 1

Format	Color
Hex	749DB8
RGB	116, 157, 184
RGB Percent	45%, 62%, 72%
CMY	0.5451, 0.3843, 0.2784
CMYK	0.37, 0.15, 0.00, 0.28
HSL	204°, 32%, 59%
HSV	204°, 37%, 72%
XYZ	27.9112, 31.2876, 49.9154
YIQ	147.8190, -33.1030, -0.2950

Conversions

Conversions Part 2

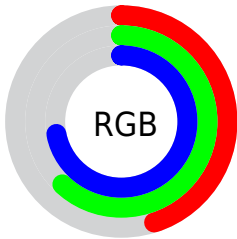
Format	Color
RYB	116, 142, 184
Decimal	7642552
CIELab	62.75, -7.10, -18.44
CIELCh	63, 19.757, 248.946
Yxy	31.2876, 0.2558, 0.2867
Android (android.graphics.Color)	4285832632 (0xFF749DB8)
YUV	147.8190, 17.8372, -27.9053
Hunter-Lab	55.9353, -8.8170, -13.7543

Details

The XYZ color **27.9112, 31.2876, 49.9154** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **32.7427, 31.0970, 20.8007**, and the grayscale version is **28.0117, 29.4705, 32.0934**.

A 20% lighter version of the original color is **55.8492, 61.9243, 91.4471**, and **11.3651, 13.0368, 23.3901** is the 20% darker color. If you saturate the color by 10%, you get **24.5042, 27.7515, 49.4130**, and if you desaturate by 10%, it is **31.8785, 35.2237, 50.4666**.

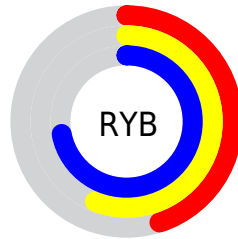
Distribution



Red (45%)

Green (62%)

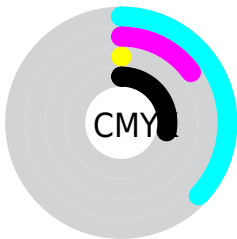
Blue (72%)



Red (45%)

Yellow (56%)

Blue (72%)

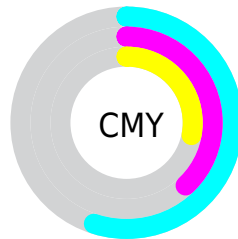


Cyan (37%)

Magenta (15%)

Yellow (0%)

Black (28%)



Cyan (55%)

Magenta (38%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9112, 31.2876, 49.9154 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 27.9112, 31.2876, 49.9154 by changing the saturation by 10% instead.

■ 27.9112, 31.2876,
49.9154

■ 27.9112, 31.2876,
49.9154

284.1301,
307.8611, 403.0606

■ 18.3988, 20.8179,
34.9755

■ 55.7523, 61.6926,
91.4445

■ 11.3381, 12.9910,
23.3606

■ 74.8117, 82.3967,
118.8708

■ 6.3637, 7.4223,
14.6522

■ 97.7842, 107.2811,
151.2963

■ 3.1102, 3.7276,
8.4317

125.0351,
136.7302, 189.1395

■ 1.2123, 1.5224,
4.2807

156.9298,
171.1283, 232.8190

■ 0.1161, 0.3044,
1.7806

193.8336,

■ 0.0000, 0.0000,

210.8599, 282.7533

0.4151

236.1120,
256.3094, 339.3610

■ 0.0000, 0.0000,
0.0000

■ 27.9112, 31.2876,
49.9154

■ 27.9112, 31.2876,
49.9154

■ 24.5042, 27.7515,
49.4130

■ 31.8785, 35.2237,
50.4666

■ 21.6245, 24.5943,
48.9554

■ 36.4309, 39.5723,
51.0660

■ 19.2401, 21.7984,
48.5414

■ 41.5949, 44.3497,
51.7160

■ 17.3137, 19.3424,
48.1688

■ 47.3947, 49.5699,
52.4179

■ 15.8022, 17.2022,
47.8354

■ 53.8531, 55.2465,
53.1732

■ 14.6459, 15.3447,
47.5378

■ 60.9915, 61.3923,
53.9832

■ 14.3301, 14.8173,
47.4527

■ 68.8305, 68.0195,
54.8492

■ 74.3067, 73.5504,
55.6282

■ 76.2139, 77.3649,
56.2639

Harmonies

Analogous

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



25.8795, 31.2876, 44.2959



27.9112, 31.2876, 49.9154



30.5527, 31.2876, 50.9701

Triad

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



27.9112, 31.2876, 49.9154



35.1680, 31.2876, 31.8063



26.5919, 31.2876, 23.7604

Complementary

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



27.9112, 31.2876, 49.9154



32.7427, 31.0970, 20.8007

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.



28.9378, 31.2876, 21.3869



27.9112, 31.2876, 49.9154



33.9620, 31.2876, 25.5479

Square

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



27.9112, 31.2876, 49.9154



34.8519, 31.2876, 39.6936



31.6427, 31.2876, 21.9877



25.1504, 31.2876, 28.9988

Rectangle

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



27.9112, 31.2876, 49.9154



32.3225, 31.2876, 48.8079



31.6427, 31.2876, 21.9877



27.2949, 31.2876, 22.6400

Sweetspot

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



27.9122, 31.2888, 49.9161



71.3042, 76.6360, 93.2387



29.2313, 39.9497, 31.7889



15.1008, 16.2705, 20.0662



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.



27.9122, 31.2888, 49.9161



45.7060, 51.6686, 89.7687



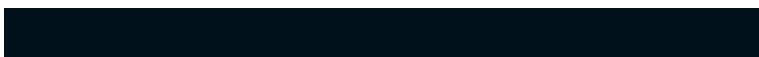
23.0545, 21.5734, 48.2969



8.9593, 9.5959, 11.4594



9.9467, 10.3530, 32.7272



0.4093, 0.4823, 1.1733

Inverse Universe

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



32.0992, 25.1165, 35.0556



54.5634, 39.6563, 58.0983



38.4586, 42.5288, 22.7060



9.2258, 9.1007, 10.5366



15.6343, 7.8275, 11.2269



0.5808, 0.2878, 0.5517

Previews

White Background



This preview shows how the XYZ color 27.9112, 31.2876, 49.9154 looks on a white background.

Color Contrast Check

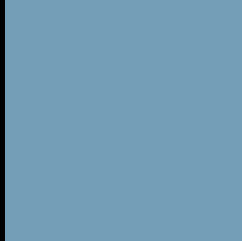
Large Text (above 18pt) WCAG AA × Fail

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 27.9112, 31.2876, 49.9154 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

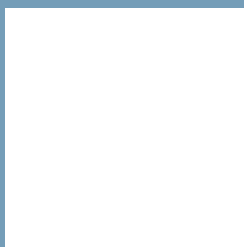
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9112, 31.2876, 49.9154

Background



This preview shows how black text looks on a background with the XYZ color 27.9112, 31.2876, 49.9154.



This preview shows how white text looks on a background with the XYZ color 27.9112, 31.2876,

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

27.9112, 31.2876, 49.9154

Protanopia

30.7201, 31.0871, 47.0291

Deuteranopia

31.8473, 31.1145, 50.7815



Tritanopia

26.6546, 31.2855, 43.6636

Trichromacy



Original Color

27.9112, 31.2876, 49.9154

Protanomaly

29.5632, 31.1870, 48.1776

Deuteranomaly

30.1401, 30.9544, 50.2852

Tritanomaly

27.0028, 31.1657, 45.6667

Monochromacy



Original Color

27.9112, 31.2876, 49.9154

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.6530, 29.9407, 38.0399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9112, 31.2876, 49.9154 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(116, 157, 184)` looks like.

```
.text, #text, p{  
    color:rgb(116, 157, 184)  
}
```

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(116, 157, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 157, 184) }
```

Border

The CSS property to change the border of an element to XYZ 27.9112, 31.2876, 49.9154 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(116, 157, 184) }
```


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

```
.border{ border-color:rgb(116, 157, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 157, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 157, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 157, 184); box-shadow:4px 4px 4px 4px rgb(116, 157, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9112, 31.2876, 49.9154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 157, 184) }
```

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

```
.background{ background-color: rgb(116,  
157, 184) }
```

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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