

Converting Colors

XYZ(27.7268, 28.3464, 49.1379)

Have a look what the booklet for
XYZ(27.7268, 28.3464, 49.1379)
contains.

XYZ(27.8304, 28.3786, 49.3582)	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(27.8304, 28.3786,
49.3582)**

Conversions

Conversions Part 1

Format	Color
Hex	8191B8
RGB	129, 145, 184
RGB Percent	51%, 57%, 72%
CMY	0.4941, 0.4314, 0.2784
CMYK	0.30, 0.21, 0.00, 0.28
HSL	223°, 28%, 61%
HSV	223°, 30%, 72%
XYZ	27.8304, 28.3786, 49.3582
YIQ	144.6620, -22.0550, 8.7370

Conversions

Conversions Part 2

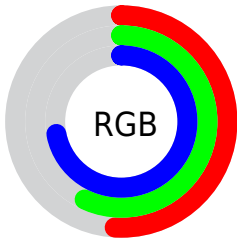
Format	Color
R_{YB}	129, 141, 184
Decimal	8491448
CIE _{Lab}	60.23, 3.45, -22.21
CIE _{LCh}	60, 22.473, 278.818
Yxy	28.3786, 0.2636, 0.2688
Android (android.graphics.Color)	4286681528 (0xFF8191B8)
YUV	144.6620, 19.3936, -13.7356
Hunter-Lab	53.2716, 0.0276, -17.6444

Details

The XYZ color **27.8304, 28.3786, 49.3582** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **37.7328, 39.7811, 26.4596**, and the grayscale version is **26.7076, 28.0985, 30.5993**.

A 20% lighter version of the original color is **55.6800, 57.2054, 90.5452**, and **11.3308, 11.4428, 23.0842** is the 20% darker color. If you saturate the color by 10%, you get **23.4027, 23.3050, 48.6128**, and if you desaturate by 10%, it is **32.9922, 34.1718, 50.2048**.

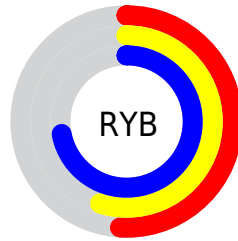
Distribution



Red (51%)

Green (57%)

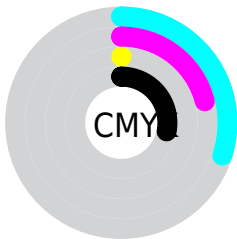
Blue (72%)



Red (51%)

Yellow (55%)

Blue (72%)

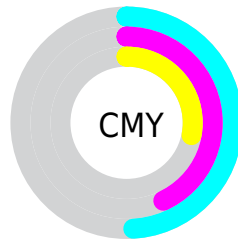


Cyan (30%)

Magenta (21%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (43%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8304, 28.3786, 49.3582 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 27.8304, 28.3786, 49.3582 by changing the saturation by 10% instead.

■ 27.8304, 28.3786,
49.3582

■ 27.8304, 28.3786,
49.3582

283.7504,
294.2716, 400.8137

■ 18.3377, 18.6112,
34.5361

■ 55.6241, 57.0883,
90.6097

■ 11.2938, 11.3897,
23.0251

■ 74.6557, 76.7995,
117.8762

■ 6.3336, 6.3296,
14.4065

■ 97.5978, 100.5941,
150.1279

■ 3.0915, 3.0465,
8.2620

124.8155,
128.8564, 187.7834

■ 1.2024, 1.1561,
4.1729

156.6742,
161.9709, 231.2612

■ 0.1082, 0.0254,
1.7207

193.5394,

■ 0.0000, 0.0000,

200.3221, 280.9798

0.3748

235.7763,
244.2942, 337.3578

■ 0.0000, 0.0000,
0.0000

■ 27.8304, 28.3786,
49.3582

■ 27.8304, 28.3786,
49.3582

■ 23.4027, 23.3050,
48.6128

■ 32.9922, 34.1718,
50.2048

■ 19.6717, 18.9184,
47.9627

■ 38.9177, 40.7089,
51.1543

■ 16.6004, 15.1883,
47.4046

■ 45.6381, 48.0171,
52.2107

■ 14.1476, 12.0805,
46.9340

■ 53.1822, 56.1210,
53.3773

■ 12.2665, 9.5574,
46.5461

■ 61.5771, 65.0444,
54.6573

■ 10.9032, 7.5763,
46.2356

■ 70.8488, 74.8098,
56.0535

■ 9.9583, 6.0700,
45.9947

■ 79.9832, 84.9034,
57.5203

■ 9.9492, 6.0555,
45.9923

■ 83.8850, 92.7071,
58.8209

■ 85.6518, 96.2407,
59.4099

Harmonies

Analogous

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



25.0223, 28.3786, 48.1607



27.8304, 28.3786, 49.3582



30.5932, 28.3786, 44.9675

Triad

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



27.8304, 28.3786, 49.3582



31.5190, 28.3786, 21.9905



22.1345, 28.3786, 25.5189

Complementary

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



27.8304, 28.3786, 49.3582



37.7328, 39.7811, 26.4596

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.



23.6503, 28.3786, 20.1220



27.8304, 28.3786, 49.3582



29.0226, 28.3786, 18.3511

Square

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



27.8304, 28.3786, 49.3582



32.8201, 28.3786, 28.5327



26.1334, 28.3786, 17.7339



21.8652, 28.3786, 33.3937

Rectangle

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



27.8304, 28.3786, 49.3582



31.9904, 28.3786, 39.8540



26.1334, 28.3786, 17.7339



22.5097, 28.3786, 23.3980

Sweetspot

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



27.8313, 28.3797, 49.3589



71.3992, 74.7267, 92.8652



33.2159, 41.7573, 43.1120



15.0347, 15.7181, 19.9631



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.



27.8313, 28.3797, 49.3589



44.9201, 45.1305, 88.5481



27.3180, 24.7376, 48.6829



8.7283, 9.1338, 11.3824



6.9108, 4.2812, 31.7152



0.2988, 0.2612, 1.1364

Inverse Universe

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



32.7290, 27.9361, 30.4564



55.3790, 44.6240, 48.0841



38.3372, 44.7508, 27.3870



9.1092, 9.0541, 9.9225



14.1019, 7.2145, 3.1575



0.5250, 0.2655, 0.2579

Previews

White Background



This preview shows how the XYZ color 27.8304, 28.3786, 49.3582 looks on a white 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

Black Background



This preview shows how the XYZ color 27.8304, 28.3786, 49.3582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

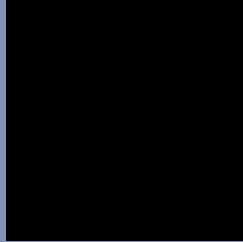
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

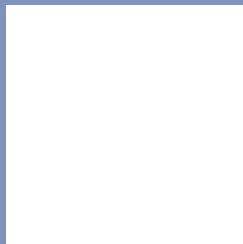
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8304, 28.3786, 49.3582

Background



This preview shows how black text looks on a background with the XYZ color 27.8304, 28.3786, 49.3582.



This preview shows how white text looks on a background with the XYZ color 27.8304, 28.3786,

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

27.8304, 28.3786, 49.3582

Protanopia

28.3614, 28.2147, 48.7509

Deuteranopia

28.9112, 28.2521, 49.8283



Tritanopia

25.4926, 28.3532, 37.8473

Trichromacy



Original Color

27.8304, 28.3786, 49.3582

Protanomaly

28.1934, 28.3520, 48.7863

Deuteranomaly

28.5711, 28.2986, 49.8553

Tritanomaly

26.3555, 28.4800, 41.6442

Monochromacy



Original Color

27.8304, 28.3786, 49.3582

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.0309, 28.2430, 36.8276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8304, 28.3786, 49.3582 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(129, 145, 184)` looks like.

```
.text, #text, p{  
    color:rgb(129, 145, 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(129, 145, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 145, 184) }
```

Border

The CSS property to change the border of an element to XYZ 27.8304, 28.3786, 49.3582 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(129, 145, 184) }
```


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

```
.border{ border-color:rgb(129, 145, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 145, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 145, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 145, 184);  
box-shadow:4px 4px 4px 4px rgb(129, 145,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8304, 28.3786, 49.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 145, 184) }
```

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

```
.background{ background-color: rgb(129,  
145, 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](#).

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