

Converting Colors

XYZ(24.7947, 27.9165, 40.0379)

Have a look what the booklet for
XYZ(24.7947, 27.9165, 40.0379)
contains.

XYZ(24.8328, 27.9611, 40.1646)	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(24.8328, 27.9611,
40.1646)**

Conversions

Conversions Part 1

Format	Color
Hex	7495A6
RGB	116, 149, 166
RGB Percent	45%, 58%, 65%
CMY	0.5451, 0.4157, 0.3490
CMYK	0.30, 0.10, 0.00, 0.35
HSL	200°, 22%, 55%
HSV	200°, 30%, 65%
XYZ	24.8328, 27.9611, 40.1646
YIQ	141.0710, -25.1250, -1.7090

Conversions

Conversions Part 2

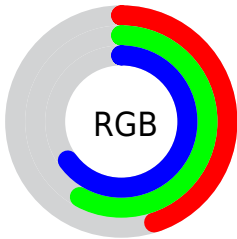
Format	Color
R_{YB}	116, 136, 166
Decimal	7640486
CIE _{Lab}	59.85, -7.31, -12.65
CIE _{LCh}	60, 14.614, 239.980
Yxy	27.9611, 0.2671, 0.3008
Android (android.graphics.Color)	4285830566 (0xFF7495A6)
YUV	141.0710, 12.2900, -21.9873
Hunter-Lab	52.8783, -8.7094, -8.0200

Details

The XYZ color **24.8328, 27.9611, 40.1646** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.2661, 26.1430, 20.1326**, and the grayscale version is **25.3063, 26.6242, 28.9938**.

A 20% lighter version of the original color is **50.7693, 56.3673, 76.6108**, and **9.6517, 11.1085, 17.5550** is the 20% darker color. If you saturate the color by 10%, you get **21.9492, 25.1816, 39.7806**, and if you desaturate by 10%, it is **28.1557, 31.0326, 40.5828**.

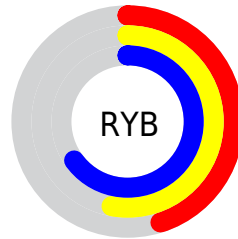
Distribution



Red (45%)

Green (58%)

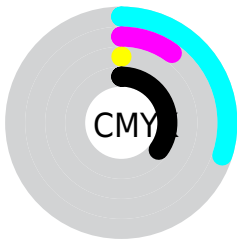
Blue (65%)



Red (45%)

Yellow (53%)

Blue (65%)

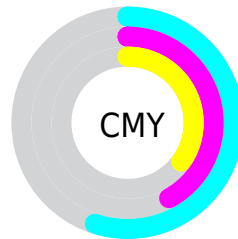


Cyan (30%)

Magenta (10%)

Yellow (0%)

Black (35%)



Cyan (55%)

Magenta (42%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8328, 27.9611, 40.1646 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 24.8328, 27.9611, 40.1646 by changing the saturation by 10% instead.

■ 24.8328, 27.9611,
40.1646

■ 24.8328, 27.9611,
40.1646

269.3673,
292.2810, 362.3895

■ 16.0806, 18.2963,
27.3521

■ 50.8307, 56.4223,
76.6539

■ 9.6724, 11.1630,
17.6031

■ 68.8071, 75.9876,
101.1679

■ 5.2429, 6.1765,
10.4989

■ 90.5889, 99.6218,
130.4194

■ 2.4267, 2.9527,
5.6211

116.5416,
127.7094, 164.8270

■ 0.8584, 1.1071,
2.5510

147.0304,
160.6347, 204.8093

■ 0.0000, 0.0000,
0.8670

182.4207,

■ 0.0000, 0.0000,

198.7821, 250.7848

0.0000

223.0779,
242.5361, 303.1720

■ 24.8328, 27.9611,
40.1646

■ 24.8328, 27.9611,
40.1646

■ 21.9492, 25.1816,
39.7806

■ 28.1557, 31.0326,
40.5828

■ 19.4806, 22.6789,
39.4276

■ 31.9355, 34.4040,
41.0343

■ 17.4045, 20.4408,
39.1050

■ 36.1915, 38.0870,
41.5209

■ 15.6947, 18.4530,
38.8115

■ 40.9416, 42.0915,
42.0435

■ 14.3217, 16.6994,
38.5453

■ 46.2025, 46.4270,
42.6030

■ 13.2506, 15.1610,
38.3048

■ 51.9899, 51.1024,
43.2004

■ 12.4123, 13.8118,
38.0886

■ 58.3192, 56.1264,
43.8366

■ 65.2049, 61.5072,
44.5123

■ 68.7296, 65.2263,
45.0444

Harmonies

Analogous

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



23.6072, 27.9611, 35.8350



24.8328, 27.9611, 40.1646



26.5749, 27.9611, 41.8342

Triad

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



24.8328, 27.9611, 40.1646



30.3016, 27.9611, 30.4485



24.8349, 27.9611, 22.4323

Complementary

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



24.8328, 27.9611, 40.1646



27.2661, 26.1430, 20.1326

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.



26.5774, 27.9611, 21.3366



24.8328, 27.9611, 40.1646



29.7842, 27.9611, 25.6243

Square

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



24.8328, 27.9611, 40.1646



29.7828, 27.9611, 35.8420



28.3993, 27.9611, 22.4352



23.6084, 27.9611, 25.6188

Rectangle

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



24.8328, 27.9611, 40.1646



27.8126, 27.9611, 41.0795



28.3993, 27.9611, 22.4352



25.3770, 27.9611, 21.8250

Sweetspot

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



24.8337, 27.9622, 40.1652



58.6572, 63.0514, 74.5539



25.0498, 32.6702, 27.0560



12.8959, 13.9075, 16.6569



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.8337, 27.9622, 40.1652



41.5544, 47.3851, 72.4314



21.3354, 20.9657, 38.9992



7.5296, 8.0961, 9.5842



9.6696, 10.7993, 29.5503



0.2798, 0.3518, 0.7338

Inverse Universe

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



27.3967, 22.7683, 31.3858



47.0518, 36.8251, 53.4710



31.0488, 33.7086, 21.3935



7.7319, 7.6226, 8.9054



14.3813, 7.1612, 12.0856



0.3724, 0.1832, 0.4124

Previews

White Background



This preview shows how the XYZ color 24.8328, 27.9611, 40.1646 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 24.8328, 27.9611, 40.1646 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

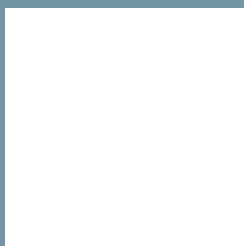
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8328, 27.9611, 40.1646

Background



This preview shows how black text looks on a background with the XYZ color 24.8328, 27.9611, 40.1646.



This preview shows how white text looks on a background with the XYZ color 24.8328, 27.9611,

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

24.8328, 27.9611, 40.1646

Protanopia

27.3286, 27.9163, 38.1304

Deuteranopia

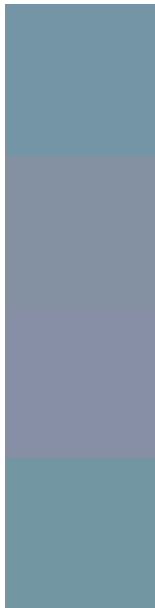
28.3000, 27.6943, 40.8998



Tritanopia

24.4982, 28.0662, 38.3085

Trichromacy



Original Color

24.8328, 27.9611, 40.1646

Protanomaly

26.2520, 27.8007, 38.6328

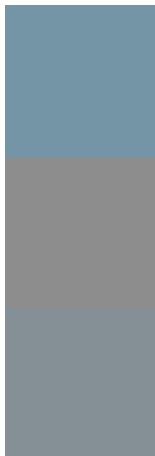
Deuteranomaly

26.7892, 27.5858, 40.4719

Tritanomaly

24.5874, 28.1019, 38.7786

Monochromacy



Original Color

24.8328, 27.9611, 40.1646

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.9940, 27.0541, 32.7588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8328, 27.9611, 40.1646 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, 149, 166)` looks like.

```
.text, #text, p{  
    color:rgb(116, 149, 166)  
}
```

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, 149, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 149, 166) }
```

Border

The CSS property to change the border of an element to XYZ 24.8328, 27.9611, 40.1646 is called "border". The border property can be set on classes, ids or directly on the HTML element.

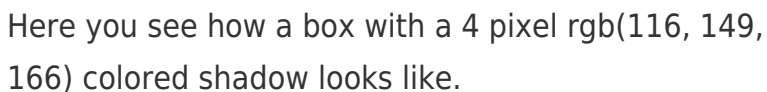
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 149, 166) }
```


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

```
.border{ border-color:rgb(116, 149, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 149, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 149, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 149, 166); box-shadow:4px 4px 4px 4px rgb(116, 149, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8328, 27.9611, 40.1646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 149, 166) }
```

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

```
.background{ background-color: rgb(116,  
149, 166) }
```

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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