

Converting Colors

XYZ(22.8859, 27.1283, 40.1854)

Have a look what the booklet for
XYZ(22.8859, 27.1283, 40.1854)
contains.

XYZ(22.9349, 27.2185, 40.1213)	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(22.9349, 27.2185,
40.1213)**

Conversions

Conversions Part 1

Format	Color
Hex	6396A6
RGB	99, 150, 166
RGB Percent	39%, 59%, 65%
CMY	0.6118, 0.4118, 0.3490
CMYK	0.40, 0.10, 0.00, 0.35
HSL	194°, 27%, 52%
HSV	194°, 40%, 65%
XYZ	22.9349, 27.2185, 40.1213
YIQ	136.5750, -35.5320, -5.8360

Conversions

Conversions Part 2

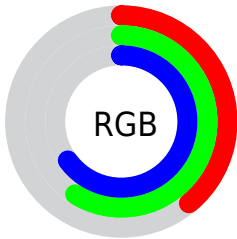
Format	Color
R _Y B	99, 128, 166
Decimal	6526630
CIE Lab	59.18, -12.75, -13.77
CIE LCh	59, 18.767, 227.201
Yxy	27.2185, 0.2541, 0.3015
Android (android.graphics.Color)	4284716710 (0xFF6396A6)
YUV	136.5750, 14.5065, -32.9533
Hunter-Lab	52.1714, -12.8300, -9.0758

Details

The XYZ color **22.9349, 27.2185, 40.1213** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.1093, 21.2699, 14.6400**, and the grayscale version is **23.5750, 24.8027, 27.0102**.

A 20% lighter version of the original color is **47.7809, 55.1785, 76.5388**, and **8.6714, 10.7429, 17.5361** is the 20% darker color. If you saturate the color by 10%, you get **20.6827, 25.1349, 39.8383**, and if you desaturate by 10%, it is **25.5830, 29.5392, 40.4302**.

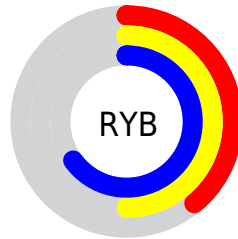
Distribution



Red (39%)

Green (59%)

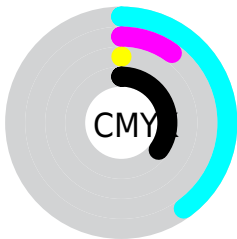
Blue (65%)



Red (39%)

Yellow (50%)

Blue (65%)

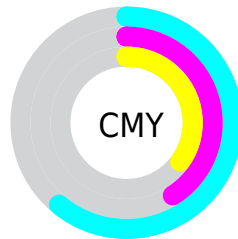


Cyan (40%)

Magenta (10%)

Yellow (0%)

Black (35%)



Cyan (61%)

Magenta (41%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9349, 27.2185, 40.1213 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 22.9349, 27.2185, 40.1213 by changing the saturation by 10% instead.

■ 22.9349, 27.2185,
40.1213

■ 22.9349, 27.2185,
40.1213

259.9320,
288.7135, 362.2019

■ 14.6659, 17.7374,
27.3186

■ 47.7539, 55.2343,
76.5873

■ 8.6700, 10.7616,
17.5781

■ 65.0345, 74.5378,
101.0877

■ 4.5820, 5.9068,
10.4812

■ 86.0497, 97.8841,
130.3244

■ 2.0363, 2.7885,
5.6094

■ 111.1649,
125.6578, 164.7160

■ 0.6543, 1.0223,
2.5442

140.7453,
158.2432, 204.6810

■ 0.0000, 0.0000,
0.8634

175.1564,

■ 0.0000, 0.0000,

196.0247, 250.6380

0.0000

214.7636,
239.3867, 303.0054

■ 22.9349, 27.2185,
40.1213

■ 22.9349, 27.2185,
40.1213

■ 20.6827, 25.1349,
39.8383

■ 25.5830, 29.5392,
40.4302

■ 18.8007, 23.2729,
39.5781

■ 28.6456, 32.1052,
40.7640

■ 17.2638, 21.6200,
39.3401

■ 32.1434, 34.9278,
41.1245

■ 16.0430, 20.1608,
39.1227

■ 36.0947, 38.0169,
41.5125

■ 15.1037, 18.8773,
38.9245

■ 40.5168, 41.3817,
41.9289

■ 14.3902, 17.7675,
38.7479

■ 45.4261, 45.0308,
42.3745

■ 50.8381, 48.9727,
42.8501

■ 56.7677, 53.2152,
43.3565

■ 63.2291, 57.7660,
43.8943

Harmonies

Analogous

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



21.8095, 27.2185, 33.6087



22.9349, 27.2185, 40.1213



24.8873, 27.2185, 44.0460

Triad

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



22.9349, 27.2185, 40.1213



30.5060, 27.2185, 32.5806



24.5637, 27.2185, 18.9611

Complementary

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



22.9349, 27.2185, 40.1213



24.1093, 21.2699, 14.6400

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.



26.8790, 27.2185, 18.7717



22.9349, 27.2185, 40.1213



30.4063, 27.2185, 25.9899

Square

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



22.9349, 27.2185, 40.1213



29.3107, 27.2185, 39.2716



29.0462, 27.2185, 21.1584



22.7103, 27.2185, 21.7219

Rectangle

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



22.9349, 27.2185, 40.1213



26.4379, 27.2185, 44.3309



29.0462, 27.2185, 21.1584



25.3110, 27.2185, 18.6112

Sweetspot

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



22.9357, 27.2196, 40.1219



57.0923, 62.3992, 74.5105



21.8560, 31.1551, 20.9717



12.5947, 13.8185, 16.6556



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.



22.9357, 27.2196, 40.1219



38.0937, 46.1463, 72.3747



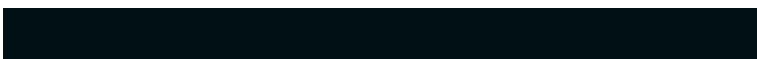
18.3751, 18.0982, 38.6017



7.5935, 8.2239, 9.6055



11.1961, 13.8523, 30.0592



0.3082, 0.4087, 0.7433

Inverse Universe

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



25.6935, 19.2335, 31.2135



43.9179, 30.2607, 53.3408



28.5895, 30.2302, 16.1334



7.7642, 7.6355, 9.0753



15.1519, 7.4695, 16.1431



0.3867, 0.1890, 0.4880

Previews

White Background



This preview shows how the XYZ color 22.9349, 27.2185, 40.1213 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 22.9349, 27.2185, 40.1213 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 22.9349, 27.2185, 40.1213

Background



This preview shows how black text looks on a background with the XYZ color 22.9349, 27.2185, 40.1213.



This preview shows how white text looks on a background with the XYZ color 22.9349, 27.2185,

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

22.9349, 27.2185, 40.1213

Protanopia

26.5175, 27.0768, 37.0864

Deuteranopia

27.6282, 27.1320, 40.8266



Tritanopia

22.7145, 27.3742, 38.7369

Trichromacy



Original Color

22.9349, 27.2185, 40.1213

Protanomaly

24.8070, 26.8402, 38.0556

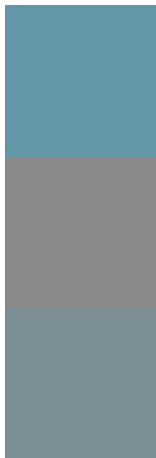
Deuteranomaly

25.5499, 26.9470, 40.4139

Tritanomaly

22.8045, 27.4102, 39.2107

Monochromacy



Original Color

22.9349, 27.2185, 40.1213

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.1867, 25.6951, 31.7546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9349, 27.2185, 40.1213 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(99, 150, 166)` looks like.

```
.text, #text, p{  
    color:rgb(99, 150, 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(99, 150, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 150, 166) }
```

Border

The CSS property to change the border of an element to XYZ 22.9349, 27.2185, 40.1213 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(99, 150, 166) }
```


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

```
.border{ border-color:rgb(99, 150, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 150, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 150, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 150, 166);  
box-shadow:4px 4px 4px 4px rgb(99, 150,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9349, 27.2185, 40.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 150, 166) }
```

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

```
.background{ background-color: rgb(99, 150,  
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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