

Converting Colors

XYZ(24.1014, 29.4467, 40.1888)

Have a look what the booklet for
XYZ(24.1014, 29.4467, 40.1888)
contains.

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Color

**XYZ(24.1040, 29.5399,
40.0287)**

Conversions

Conversions Part 1

Format	Color
Hex	649DA5
RGB	100, 157, 165
RGB Percent	39%, 62%, 65%
CMY	0.6078, 0.3843, 0.3529
CMYK	0.39, 0.05, 0.00, 0.35
HSL	187°, 27%, 52%
HSV	187°, 39%, 65%
XYZ	24.1040, 29.5399, 40.0287
YIQ	140.8690, -36.5400, -9.5960

Conversions

Conversions Part 2

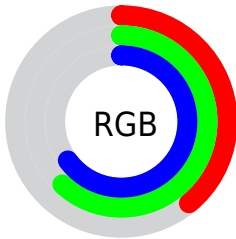
Format	Color
RYB	100, 130, 165
Decimal	6593957
CIELab	61.26, -16.51, -10.08
CIElCh	61, 19.342, 211.392
Yxy	29.5399, 0.2573, 0.3154
Android (android.graphics.Color)	4284784037 (0xFF649DA5)
YUV	140.8690, 11.8966, -35.8421
Hunter-Lab	54.3506, -15.9505, -5.6211

Details

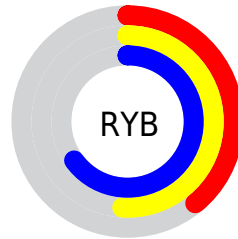
The XYZ color **24.1040, 29.5399, 40.0287** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.1803, 19.6448, 14.6273**, and the grayscale version is **25.2320, 26.5460, 28.9086**.

A 20% lighter version of the original color is **49.7882, 59.1243, 76.4982**, and **9.3070, 12.1047, 17.4687** is the 20% darker color. If you saturate the color by 10%, you get **22.1202, 28.0122, 39.8389**, and if you desaturate by 10%, it is **26.4649, 31.2719, 40.2391**.

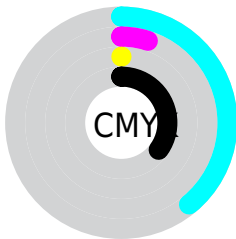
Distribution



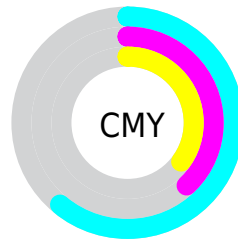
- Red (39%)
- Green (62%)
- Blue (65%)



- Red (39%)
- Yellow (51%)
- Blue (65%)



- Cyan (39%)
- Magenta (5%)
- Yellow (0%)
- Black (35%)



- Cyan (61%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1040, 29.5399, 40.0287 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 24.1040, 29.5399, 40.0287 by changing the saturation by 10% instead.

■ 24.1040, 29.5399,
40.0287

■ 24.1040, 29.5399,
40.0287

265.7766,
299.7539, 361.8002

■ 15.5359, 19.4896,
27.2470

■ 49.6533, 58.9338,
76.4448

■ 9.2851, 12.0246,
17.5247

■ 67.3653, 79.0462,
100.9162

■ 4.9862, 6.7604,
10.4434

■ 88.8559, 103.2814,
130.1213

■ 2.2739, 3.3127,
5.5845

■ 114.4905,
132.0239, 164.4785

■ 0.7812, 1.2971,
2.5294

144.6346,
165.6580, 204.4065

■ 0.0000, 0.1390,
0.8557

179.6534,

■ 0.0000, 0.0000,

204.5681, 250.3238

0.0000

219.9122,
249.1386, 302.6488

■ 24.1040, 29.5399,
40.0287

■ 24.1040, 29.5399,
40.0287

■ 22.1202, 28.0122,
39.8389

■ 26.4649, 31.2719,
40.2391

■ 20.4883, 26.6736,
39.6665

■ 29.2209, 33.2154,
40.4690

■ 19.1844, 25.5125,
39.5111

■ 32.3919, 35.3814,
40.7199

■ 18.1801, 24.5142,
39.3714

■ 35.9957, 37.7791,
40.9928

■ 17.4425, 23.6617,
39.2457

■ 40.0491, 40.4172,
41.2883

■ 16.9022, 22.9192,
39.1309

■ 44.5680, 43.3040,
41.6074

■ 16.8709, 22.8752,
39.1240

■ 49.5676, 46.4473,
41.9506

■ 55.0621, 49.8545,
42.3186

■ 61.0655, 53.5328,
42.7122

Harmonies

Analogous

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



23.4641, 29.5399, 32.5055



24.1040, 29.5399, 40.0287



25.7987, 29.5399, 46.1003

Triad

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



24.1040, 29.5399, 40.0287



32.5949, 29.5399, 39.3504



27.9581, 29.5399, 20.0911

Complementary

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



24.1040, 29.5399, 40.0287



23.1803, 19.6448, 14.6273

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.



30.4852, 29.5399, 21.3641



24.1040, 29.5399, 40.0287



33.2575, 29.5399, 31.8247

Square

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



24.1040, 29.5399, 40.0287



30.7032, 29.5399, 45.6689



32.4637, 29.5399, 25.4033



25.6046, 29.5399, 21.6243

Rectangle

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



24.1040, 29.5399, 40.0287



27.3508, 29.5399, 48.1026



32.4637, 29.5399, 25.4033



28.8155, 29.5399, 20.2037

Sweetspot

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



24.1049, 29.5411, 40.0294



56.3281, 62.2267, 72.7945



21.3959, 30.6940, 18.8688



12.1609, 13.4996, 15.9023



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.1049, 29.5411, 40.0294



40.1175, 50.5638, 71.3977



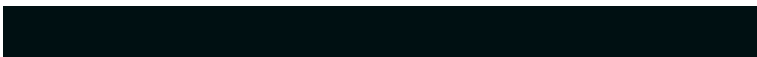
19.3707, 20.0727, 38.4513



7.2014, 7.8618, 9.0410



12.7874, 17.3542, 29.6055



0.2882, 0.4036, 0.6286

Inverse Universe

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



26.1607, 19.5487, 34.2941



44.3924, 30.5096, 59.3097



27.2081, 27.7006, 15.9699



7.3266, 7.1871, 8.7065



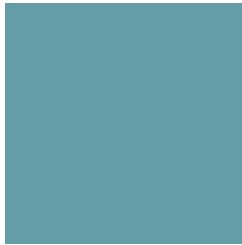
15.6000, 7.5960, 20.8818



0.3376, 0.1635, 0.4905

Previews

White Background



This preview shows how the XYZ color 24.1040, 29.5399, 40.0287 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 24.1040, 29.5399, 40.0287 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

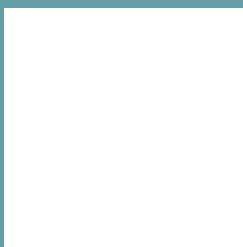
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1040, 29.5399, 40.0287

Background



This preview shows how black text looks on a background with the XYZ color 24.1040, 29.5399, 40.0287.

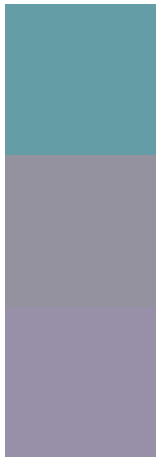


This preview shows how white text looks on a background with the XYZ color 24.1040, 29.5399,

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

24.1040, 29.5399, 40.0287

Protanopia

28.4831, 29.2294, 36.4884

Deuteranopia

29.8392, 29.1475, 41.0991



Tritanopia

24.4167, 29.4082, 41.9256

Trichromacy



Original Color

24.1040, 29.5399, 40.0287

Protanomaly

26.5453, 29.1317, 37.9421

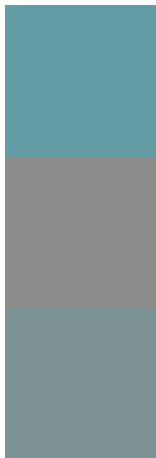
Deuteranomaly

27.2378, 28.9564, 40.7128

Tritanomaly

24.3232, 29.3708, 41.4329

Monochromacy



Original Color

24.1040, 29.5399, 40.0287

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.5429, 27.5051, 32.8696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1040, 29.5399, 40.0287 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(100, 157, 165)` looks like.

```
.text, #text, p{  
    color:rgb(100, 157, 165)  
}
```

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(100, 157, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 157, 165) }
```

Border

The CSS property to change the border of an element to XYZ 24.1040, 29.5399, 40.0287 is called "border". The border property can be set on classes, ids or directly on the HTML element.

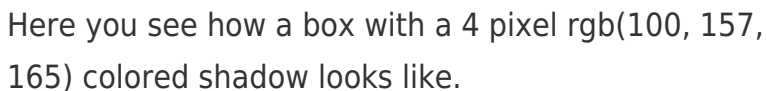
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 157, 165) }
```


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

```
.border{ border-color:rgb(100, 157, 165) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 157, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 157, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 157, 165); box-shadow:4px 4px 4px 4px rgb(100, 157, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1040, 29.5399, 40.0287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 157, 165) }
```

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

```
.background{ background-color: rgb(100,  
157, 165) }
```

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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