

Converting Colors

XYZ(29.1599, 40.4021, 42.4340)

Have a look what the booklet for
XYZ(29.1599, 40.4021, 42.4340)
contains.

XYZ(29.0579, 40.2507, 42.3140)	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(29.0579, 40.2507,
42.3140)**

Conversions

Conversions Part 1

Format	Color
Hex	5EBAA6
RGB	94, 186, 166
RGB Percent	37%, 73%, 65%
CMY	0.6314, 0.2706, 0.3490
CMYK	0.49, 0.00, 0.11, 0.27
HSL	167°, 40%, 55%
HSV	167°, 49%, 73%
XYZ	29.0579, 40.2507, 42.3140
YIQ	156.2120, -48.4120, -25.7240

Conversions

Conversions Part 2

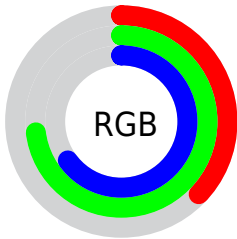
Format	Color
RYB	94, 146, 186
Decimal	6208166
CIELab	69.65, -32.34, 1.72
CIElCh	70, 32.386, 176.959
Yxy	40.2507, 0.2603, 0.3606
Android (android.graphics.Color)	4284398246 (0xFF5EBAA6)
YUV	156.2120, 4.8255, -54.5599
Hunter-Lab	63.4434, -29.2708, 4.8666

Details

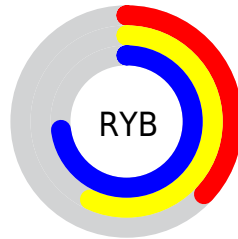
The XYZ color **29.0579, 40.2507, 42.3140** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.2910, 19.6604, 18.2774**, and the grayscale version is **31.6901, 33.3405, 36.3078**.

A 20% lighter version of the original color is **57.6794, 75.8057, 79.9985**, and **11.9157, 18.0408, 18.7738** is the 20% darker color. If you saturate the color by 10%, you get **27.0106, 39.2385, 40.3127**, and if you desaturate by 10%, it is **31.5787, 41.5077, 44.4001**.

Distribution



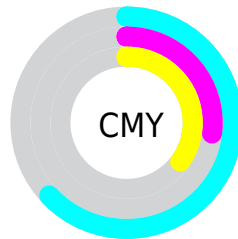
- Red (37%)
- Green (73%)
- Blue (65%)



- Red (37%)
- Yellow (57%)
- Blue (73%)



- Cyan (49%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)




- Cyan (63%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0579, 40.2507, 42.3140 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 29.0579, 40.2507, 42.3140 by changing the saturation by 10% instead.


 29.0579, 40.2507,
42.3140


 29.0579, 40.2507,
42.3140


289.4773,
347.1791, 371.6209


 19.2691, 27.7341,
29.0198


 57.5660, 75.5451,
79.9498


 11.9701, 18.1253,
18.8501


 77.0160, 99.0917,
105.1286

 6.7954, 11.0400,
11.3863

 100.4172,
127.0837, 135.1060

 3.3796, 6.0937,
6.2099

 128.1348,
159.9055, 170.3005

 1.3576, 2.9022,
2.9023

160.5343,
197.9416, 211.1307

 0.2257, 1.0809,
1.0450

197.9810,

 0.0000, 0.0000,

241.5763, 258.0152

0.0000

240.8402,
291.1940, 311.3724

■ 29.0579, 40.2507,
42.3140

■ 29.0579, 40.2507,
42.3140

■ 27.0106, 39.2385,
40.3127

■ 31.5787, 41.5077,
44.4001

■ 25.3998, 38.4489,
38.3914

■ 34.5999, 43.0203,
46.5701

■ 24.1883, 37.8639,
36.5485

■ 38.1505, 44.8044,
48.8270

■ 23.3311, 37.4602,
34.7815

■ 42.2560, 46.8732,
51.1723

■ 22.7435, 37.1942,
33.0857

■ 46.9406, 49.2392,
53.6077

■ 22.7141, 37.1810,
32.9962

■ 52.2269, 51.9139,
56.1349

■ 58.1360, 54.9083,
58.7553

■ 64.6884, 58.2328,
61.4703

■ 69.5073, 60.6623,
64.1693

Harmonies

Analogous

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



30.4224, 40.2507, 29.9091



29.0579, 40.2507, 42.3140



29.9662, 40.2507, 58.2413

Triad

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



29.0579, 40.2507, 42.3140



43.0055, 40.2507, 74.8796



44.0136, 40.2507, 23.8259

Complementary

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



29.0579, 40.2507, 42.3140



27.2910, 19.6604, 18.2774

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.



47.9514, 40.2507, 32.0105



29.0579, 40.2507, 42.3140



47.3331, 40.2507, 61.5034

Square

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



29.0579, 40.2507, 42.3140



37.7254, 40.2507, 79.3873



49.2178, 40.2507, 45.3739



38.7938, 40.2507, 20.8774

Rectangle

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



29.0579, 40.2507, 42.3140



31.7884, 40.2507, 68.4592



49.2178, 40.2507, 45.3739



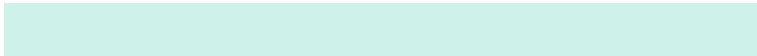
45.5487, 40.2507, 25.9492

Sweetspot

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



29.0590, 40.2523, 42.3149



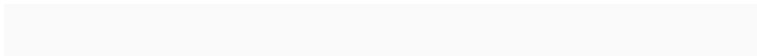
72.1575, 82.7231, 90.2697



26.7123, 39.6042, 16.8268



15.5520, 18.0466, 19.6819



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.0590, 40.2523, 42.3149



48.7874, 71.0360, 72.8836



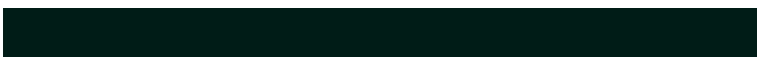
26.3068, 31.5794, 51.1652



9.1808, 10.1763, 11.1096



15.3093, 25.0247, 22.3486



0.5608, 0.8906, 0.8990

Inverse Universe

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



27.2910, 19.6604, 18.2774



45.2522, 29.5288, 24.5735



28.8128, 24.3312, 13.7681



9.0824, 9.0433, 9.7814



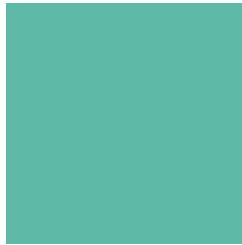
13.9095, 7.1376, 2.1443



0.5137, 0.2609, 0.1984

Previews

White Background



This preview shows how the XYZ color 29.0579, 40.2507, 42.3140 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 29.0579, 40.2507, 42.3140 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

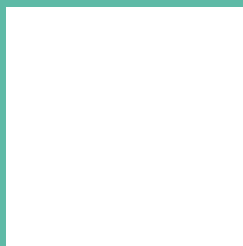
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0579, 40.2507, 42.3140

Background



This preview shows how black text looks on a background with the XYZ color 29.0579, 40.2507, 42.3140.

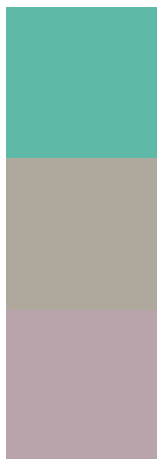


This preview shows how white text looks on a background with the XYZ color 29.0579, 40.2507,

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

29.0579, 40.2507, 42.3140

Protanopia

37.6826, 39.5195, 37.0944

Deuteranopia

40.6337, 39.8055, 44.0697



Tritanopia

32.2853, 40.3250, 58.3064

Trichromacy



Original Color

29.0579, 40.2507, 42.3140

Protanomaly

33.5292, 39.3090, 39.0779

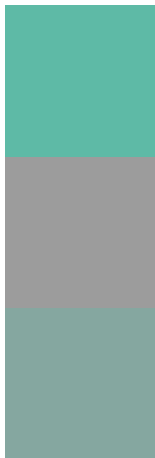
Deuteranomaly

34.8629, 39.0450, 43.2351

Tritanomaly

30.9460, 40.0791, 52.0040

Monochromacy



Original Color

29.0579, 40.2507, 42.3140

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.8367, 35.1620, 38.4721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0579, 40.2507, 42.3140 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(94, 186, 166)` looks like.

```
.text, #text, p{  
    color:rgb(94, 186, 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(94, 186, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 186, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.0579, 40.2507, 42.3140 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(94, 186, 166) }
```


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

```
.border{ border-color:rgb(94, 186, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 186, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 186, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 186, 166);  
box-shadow:4px 4px 4px 4px rgb(94, 186,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0579, 40.2507, 42.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 186, 166) }
```

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

```
.background{ background-color: rgb(94, 186,  
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](#).

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