

Converting Colors

XYZ(29.2228, 42.1397, 36.7334)

Have a look what the booklet for
XYZ(29.2228, 42.1397, 36.7334)
contains.

XYZ(29.2044, 42.0483, 36.7139)	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(29.2044, 42.0483,
36.7139)**

Conversions

Conversions Part 1

Format	Color
Hex	60BF99
RGB	96, 191, 153
RGB Percent	38%, 75%, 60%
CMY	0.6235, 0.2510, 0.4000
CMYK	0.50, 0.00, 0.20, 0.25
HSL	156°, 43%, 56%
HSV	156°, 50%, 75%
XYZ	29.2044, 42.0483, 36.7139
YIQ	158.2630, -44.4220, -31.9580

Conversions

Conversions Part 2

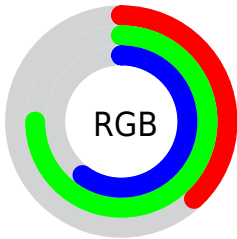
Format	Color
RYB	96, 155, 191
Decimal	6340505
CIELab	70.90, -37.19, 10.63
CIELCh	71, 38.680, 164.049
Yxy	42.0483, 0.2705, 0.3895
Android (android.graphics.Color)	4284530585 (0xFF60BF99)
YUV	158.2630, -2.5947, -54.6047
Hunter-Lab	64.8447, -33.0863, 11.8223

Details

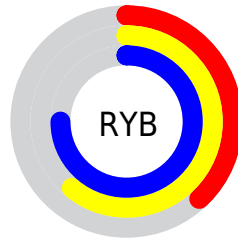
The XYZ color **29.2044, 42.0483, 36.7139** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **29.9731, 21.1643, 25.0610**, and the grayscale version is **32.6455, 34.3456, 37.4024**.

A 20% lighter version of the original color is **57.7788, 78.3152, 71.1026**, and **12.0715, 19.2257, 15.6451** is the 20% darker color. If you saturate the color by 10%, you get **26.8229, 40.8923, 33.4136**, and if you desaturate by 10%, it is **32.1168, 43.4755, 40.2518**.

Distribution



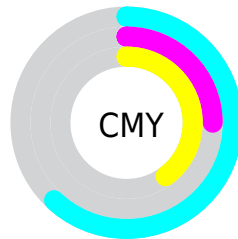
- Red (38%)
- Green (75%)
- Blue (60%)



- Red (38%)
- Yellow (61%)
- Blue (75%)



- Cyan (50%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)





- Cyan (62%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2044, 42.0483, 36.7139 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 29.2044, 42.0483, 36.7139 by changing the saturation by 10% instead.


 29.2044, 42.0483,
36.7139


 29.2044, 42.0483,
36.7139


290.1550,
354.6831, 347.2015


 19.3806, 29.1391,
24.6920

 57.7970, 78.2727,
71.3139

 12.0512, 19.1861,
15.6308


 77.2965, 102.3567,
94.7292

 6.8510, 11.8048,
9.1118


 100.7518,
130.9345, 122.7793

 3.4146, 6.6109,
4.7163

 128.5285,
164.3904, 155.8828

 1.3766, 3.2200,
2.0260

160.9918,
203.1088, 194.4582

 0.2395, 1.2476,
0.5712

198.5071,

 0.0000, 0.1001,

247.4741, 238.9241

0.0000

241.4397,
297.8708, 289.6990

■ 0.0000, 0.0000,
0.0000

■ 29.2044, 42.0483,
36.7139

■ 29.2044, 42.0483,
36.7139

■ 26.8229, 40.8923,
33.4136

■ 32.1168, 43.4755,
40.2518

■ 24.9322, 39.9836,
30.3425

■ 35.5897, 45.1858,
44.0298

■ 23.4917, 39.3025,
27.4954


■ 39.6545, 47.1965,
48.0541


■ 22.4522, 38.8238,
24.8660


■ 44.3395, 49.5219,
52.3295


■ 21.7208, 38.4996,
22.4456


■ 49.6707, 52.1755,
56.8607

 21.7031, 38.4917,
22.3849

 55.6729, 55.1699,
61.6525

 62.3694, 58.5171,
66.7092

 69.7825, 62.2284,
72.0353

 73.0249, 63.7845,
77.4051

Harmonies

Analogous

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



31.9609, 42.0483, 24.7346



29.2044, 42.0483, 36.7139



29.1181, 42.0483, 54.9412

Triad

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



29.2044, 42.0483, 36.7139



43.0470, 42.0483, 89.5137



49.5411, 42.0483, 25.2910

Complementary

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



29.2044, 42.0483, 36.7139



29.9731, 21.1643, 25.0610

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.



53.2194, 42.0483, 37.7044



29.2044, 42.0483, 36.7139



49.2064, 42.0483, 76.2898

Square

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



29.2044, 42.0483, 36.7139



36.6588, 42.0483, 89.0380



53.0907, 42.0483, 56.2357



43.4656, 42.0483, 19.4532

Rectangle

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



29.2044, 42.0483, 36.7139



30.5601, 42.0483, 68.6437



53.0907, 42.0483, 56.2357



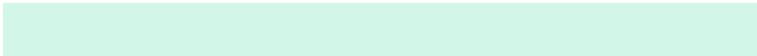
51.1266, 42.0483, 28.6622

Sweetspot

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



29.2055, 42.0500, 36.7149



74.6546, 86.3289, 89.4516



30.8292, 43.3073, 17.8011



16.0086, 18.7661, 19.2872



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.2055, 42.0500, 36.7149



47.5823, 73.0152, 59.1534



31.1798, 40.1514, 55.3989



9.6426, 10.7431, 11.3673



14.3030, 25.3115, 14.9244



0.5918, 1.0041, 0.7504

Inverse Universe

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



29.9731, 21.1643, 25.0610



49.1354, 31.2293, 35.9242



28.5403, 21.8057, 13.7715



9.6840, 9.5979, 10.7251



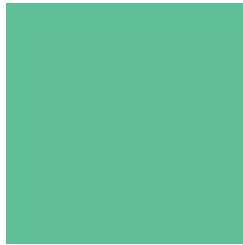
15.0242, 7.6408, 5.4211



0.6209, 0.3123, 0.3831

Previews

White Background



This preview shows how the XYZ color 29.2044, 42.0483, 36.7139 looks on a white background.

Color Contrast Check

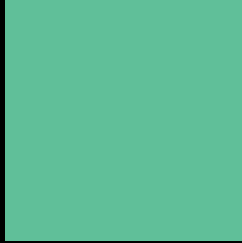
Large Text (above 18pt) WCAG AA × Fail

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 29.2044, 42.0483, 36.7139 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 29.2044, 42.0483, 36.7139

Background



This preview shows how black text looks on a background with the XYZ color 29.2044, 42.0483, 36.7139.



This preview shows how white text looks on a background with the XYZ color 29.2044, 42.0483,

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

29.2044, 42.0483, 36.7139

Protanopia

39.0780, 41.4637, 32.3292

Deuteranopia

42.0559, 41.2104, 38.0856



Tritanopia

34.0810, 42.1193, 60.9772

Trichromacy



Original Color

29.2044, 42.0483, 36.7139



Protanomaly

34.1491, 40.9261, 33.7034



Deuteranomaly

35.4313, 40.3293, 37.3694



Tritanomaly

32.0265, 41.9026, 51.1998

Monochromacy



Original Color

29.2044, 42.0483, 36.7139



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.3671, 36.3006, 36.8587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2044, 42.0483, 36.7139 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(96, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(96, 191, 153)  
}
```

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(96, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 191, 153) }
```

Border

The CSS property to change the border of an element to XYZ 29.2044, 42.0483, 36.7139 is called "border". The border property can be set on classes, ids or directly on the HTML element.

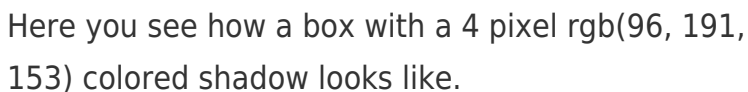
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 191, 153) }
```


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

```
.border{ border-color:rgb(96, 191, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 191, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 191, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 191, 153); box-shadow:4px 4px 4px 4px rgb(96, 191, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2044, 42.0483, 36.7139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 191, 153) }
```

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

```
.background{ background-color: rgb(96, 191,  
153) }
```

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