

# Converting Colors

XYZ(29.1138, 41.6516, 37.9082)

Have a look what the booklet for  
XYZ(29.1138, 41.6516, 37.9082)  
contains.

<b>XYZ(29.1335, 41.6601, 37.9582)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(29.1335, 41.6601,  
37.9582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FBE9C
RGB	95, 190, 156
RGB Percent	37%, 75%, 61%
CMY	0.6274, 0.2549, 0.3882
CMYK	0.50, 0.00, 0.18, 0.25
HSL	159°, 42%, 56%
HSV	159°, 50%, 75%
XYZ	29.1335, 41.6601, 37.9582
YIQ	157.7190, -45.7060, -30.7140

# Conversions

## Conversions Part 2

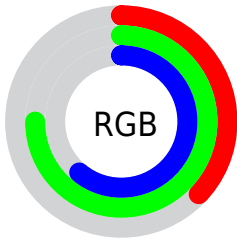
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 153, 190
Decimal	6274716
CIELab	70.64, -36.31, 8.61
CIELCh	71, 37.316, 166.656
Yxy	41.6601, 0.2679, 0.3831
Android (android.graphics.Color)	4284464796 (0xFF5FBE9C)
YUV	157.7190, -0.8475, -55.0046
Hunter-Lab	64.5446, -32.3836, 10.3133

# Details

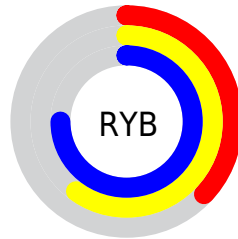
The XYZ color **29.1335, 41.6601, 37.9582** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **29.2912, 20.7175, 23.2254**, and the grayscale version is **32.3916, 34.0785, 37.1114**.

A 20% lighter version of the original color is **57.6561, 77.7540, 72.9420**, and **12.0471, 18.9856, 16.3942** is the 20% darker color. If you saturate the color by 10%, you get **26.8357, 40.5413, 34.9289**, and if you desaturate by 10%, it is **31.9471, 43.0432, 41.1818**.

# Distribution



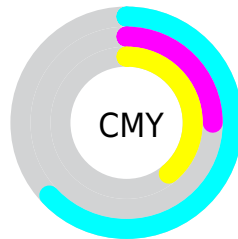
- Red (37%)
- Green (75%)
- Blue (61%)



- Red (37%)
- Yellow (60%)
- Blue (75%)



- Cyan (50%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)




- Cyan (63%)
- Magenta (25%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1335, 41.6601, 37.9582 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 29.1335, 41.6601, 37.9582 by changing the saturation by 10% instead.





 29.1335, 41.6601,  
37.9582


 29.1335, 41.6601,  
37.9582


289.8272,  
353.0720, 352.7334


 19.3266, 28.8352,  
25.6487


 57.6852, 77.6849,  
73.2468


 12.0119, 18.9562,  
16.3376

 77.1608, 101.6537,  
97.0629

 6.8241, 11.6386,  
9.6064


 100.5899,  
130.1059, 125.5516

 3.3977, 6.4981,  
5.0366

 128.3380,  
163.4259, 159.1315

 1.3674, 3.1503,  
2.2096

160.7705,  
201.9981, 198.2211

 0.2328, 1.2107,  
0.6799

198.2526,

 0.0000, 0.0704,

246.2069, 243.2389

0.0000

241.1497,  
296.4368, 294.6035

■ 0.0000, 0.0000,  
0.0000

■ 29.1335, 41.6601,  
37.9582

■ 29.1335, 41.6601,  
37.9582

■ 26.8357, 40.5413,  
34.9289

■ 31.9471, 43.0432,  
41.1818

■ 25.0143, 39.6634,  
32.0866

■ 35.3057, 44.7024,  
44.6009

■ 23.6291, 39.0067,  
29.4276


■ 39.2401, 46.6547,  
48.2207


■ 22.6319, 38.5465,  
26.9466


■ 43.7780, 48.9141,  
52.0448


■ 21.9270, 38.2335,  
24.6363


■ 48.9451, 51.4939,  
56.0769

 21.9270, 38.2335,  
24.6362

 54.7656, 54.4066,  
60.3208

 61.2623, 57.6638,  
64.7797

 68.4572, 61.2768,  
69.4571

 72.2053, 63.1088,  
74.1614

# Harmonies

## Analogous

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



31.5763, 41.6601, 25.7992



29.1335, 41.6601, 37.9582



29.2784, 41.6601, 55.8188

# Triad

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



29.1335, 41.6601, 37.9582



43.0973, 41.6601, 86.3467



48.3158, 41.6601, 24.8574

# Complementary

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



29.1335, 41.6601, 37.9582



29.2912, 20.7175, 23.2254

# 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.



52.0923, 41.6601, 36.2981



29.1335, 41.6601, 37.9582



48.8717, 41.6601, 72.9244

# Square

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



29.1335, 41.6601, 37.9582



36.9197, 41.6601, 87.1300



52.3058, 41.6601, 53.6681



42.4000, 41.6601, 19.6719



# Rectangle

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



29.1335, 41.6601, 37.9582



30.8169, 41.6601, 68.8335



52.3058, 41.6601, 53.6681



49.9032, 41.6601, 27.9417

# Sweetspot

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



29.1346, 41.6618, 37.9592



74.8782, 86.4184, 90.6290



29.6607, 42.3875, 17.4454



16.0640, 18.7883, 19.5787



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.



29.1346, 41.6618, 37.9592



48.2707, 73.2906, 62.7783



29.8029, 37.7283, 54.4287



9.6597, 10.7500, 11.4573



14.6182, 25.4376, 16.5839



0.6028, 1.0085, 0.8084



# Inverse Universe

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



29.2912, 20.7175, 23.2254



48.6097, 31.0190, 33.1557



28.6295, 22.4293, 13.6474



9.6675, 9.5913, 10.6378



14.8485, 7.5705, 4.4956



0.6132, 0.3092, 0.3425



# Previews

## White Background



This preview shows how the XYZ color 29.1335, 41.6601, 37.9582 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 29.1335, 41.6601, 37.9582 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

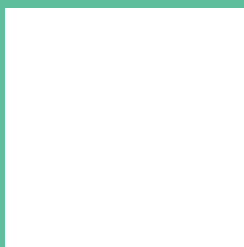
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.1335, 41.6601, 37.9582**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.1335, 41.6601, 37.9582.



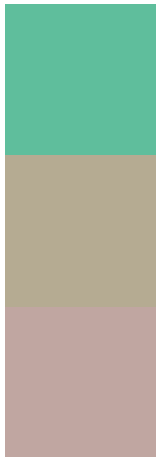
This preview shows how white text looks on a background with the XYZ color 29.1335, 41.6601,

37.9582.

# 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

29.1335, 41.6601, 37.9582

### Protanopia

38.8073, 41.0249, 33.0674

### Deuteranopia

41.8075, 41.0521, 39.4386



## Tritanopia

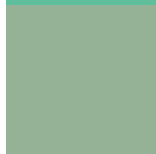
33.5127, 41.5303, 60.2827

# Trichromacy



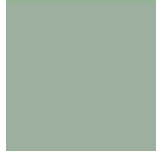
## Original Color

29.1335, 41.6601, 37.9582



## Protanomaly

34.0031, 40.5268, 34.8845



## Deuteranomaly

35.4926, 40.3312, 38.7149



## Tritanomaly

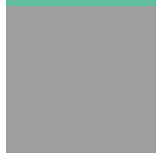
31.6997, 41.4203, 51.1239

# Monochromacy



## Original Color

29.1335, 41.6601, 37.9582



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

30.4522, 36.3347, 37.3066

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.1335, 41.6601, 37.9582 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(95, 190, 156)` looks like.

```
.text, #text, p{  
    color:rgb(95, 190, 156)  
}
```

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(95, 190, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 190, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 29.1335, 41.6601, 37.9582 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(95, 190, 156) }
```



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

```
.border{ border-color:rgb(95, 190, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 190, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 190, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 190, 156); box-shadow:4px 4px 4px 4px rgb(95, 190, 156) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.1335, 41.6601, 37.9582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 190, 156) }
```

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

```
.background{ background-color: rgb(95, 190,  
156) }
```

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