

Converting Colors

XYZ(28.9376, 46.7324, 34.4867)

Have a look what the booklet for
XYZ(28.9376, 46.7324, 34.4867)
contains.

XYZ(29.0062, 46.7621, 34.6913)	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(29.0062, 46.7621,
34.6913)**

Conversions

Conversions Part 1

Format	Color
Hex	3ECD92
RGB	62, 205, 146
RGB Percent	24%, 80%, 57%
CMY	0.7568, 0.1961, 0.4274
CMYK	0.70, 0.00, 0.29, 0.20
HSL	155°, 59%, 52%
HSV	155°, 70%, 80%
XYZ	29.0062, 46.7621, 34.6913
YIQ	155.5170, -66.2890, -48.6650

Conversions

Conversions Part 2

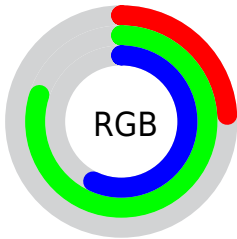
Format	Color
RYB	62, 152, 205
Decimal	4115858
CIELab	74.04, -51.46, 18.64
CIELCh	74, 54.732, 160.092
Yxy	46.7621, 0.2626, 0.4233
Android (android.graphics.Color)	4282305938 (0xFF3ECD92)
YUV	155.5170, -4.6919, -82.0144
Hunter-Lab	68.3828, -43.9549, 17.7896

Details

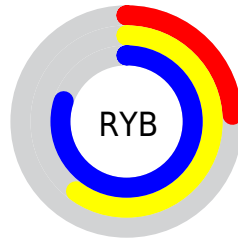
The XYZ color **29.0062, 46.7621, 34.6913** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **30.3521, 17.8059, 19.9280**, and the grayscale version is **31.4273, 33.0640, 36.0067**.

A 20% lighter version of the original color is **54.9377, 80.2022, 67.2286**, and **12.9719, 22.6389, 14.5125** is the 20% darker color. If you saturate the color by 10%, you get **27.3213, 45.9679, 31.3045**, and if you desaturate by 10%, it is **31.2270, 47.8293, 38.3594**.

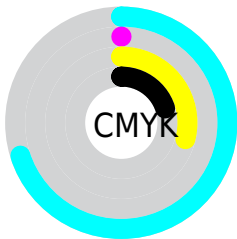
Distribution



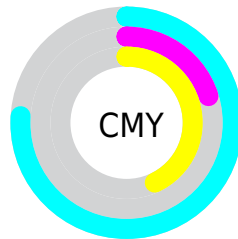
- Red (24%)
- Green (80%)
- Blue (57%)



- Red (24%)
- Yellow (60%)
- Blue (80%)



- Cyan (70%)
- Magenta (0%)
- Yellow (29%)
- Black (20%)





- Cyan (76%)
- Magenta (20%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0062, 46.7621, 34.6913 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 29.0062, 46.7621, 34.6913 by changing the saturation by 10% instead.


 29.0062, 46.7621,
34.6913


 29.0062, 46.7621,
34.6913


289.2379,
373.8641, 338.0664


 19.2298, 32.8476,
23.1435


 57.4844, 85.3584,
68.1534


 11.9414, 22.0097,
14.4932


 76.9170, 110.8090,
90.9048


 6.7757, 13.8641,
8.3219


 100.2990,
140.8738, 118.2279

 3.3673, 8.0262,
4.2109

 127.9958,
175.9372, 150.5411

 1.3509, 4.1117,
1.7417

 160.3727,
216.3835, 188.2630

 0.2208, 1.7362,
0.3891

197.7951,

 0.0000, 0.4470,

262.5972, 231.8122

0.0000

240.6284,
314.9626, 281.6071

■ 0.0000, 0.0000,
0.0000

■ 29.0062, 46.7621,
34.6913

■ 29.0062, 46.7621,
34.6913

■ 27.3213, 45.9679,
31.3045

■ 31.2270, 47.8293,
38.3594

■ 26.1096, 45.4110,
28.1876

■ 34.0297, 49.1896,
42.3131

■ 25.2668, 45.0389,
25.3310

■ 37.4596, 50.8673,
46.5609

■ 25.2478, 45.0306,
25.2641

■ 41.5561, 52.8827,
51.1094

■ 46.3553, 55.2543,
55.9652

■ 51.8908, 57.9992,
61.1347

■ 58.1937, 61.1335,
66.6239

■ 65.2936, 64.6723,
72.4387

■ 73.2181, 68.6297,
78.5848

Harmonies

Analogous

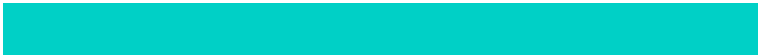
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4023, 46.7621, 19.8299



29.0062, 46.7621, 34.6913



28.3841, 46.7621, 60.9476

Triad

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



29.0062, 46.7621, 34.6913



47.8231, 46.7621, 124.4709



60.4394, 46.7621, 23.5121

Complementary

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



29.0062, 46.7621, 34.6913



30.3521, 17.8059, 19.9280

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.



65.6489, 46.7621, 42.0503



29.0062, 46.7621, 34.6913



57.6894, 46.7621, 104.2266

Square

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



29.0062, 46.7621, 34.6913



38.3454, 46.7621, 120.1925



64.5746, 46.7621, 71.5438



51.1615, 46.7621, 15.2110

Rectangle

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



29.0062, 46.7621, 34.6913



30.0805, 46.7621, 82.9722



64.5746, 46.7621, 71.5438



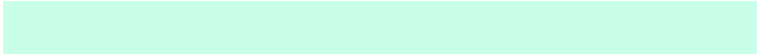
62.7820, 46.7621, 28.4061

Sweetspot

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



29.0074, 46.7640, 34.6924



74.6630, 89.8777, 90.4329



30.6694, 48.1197, 12.2295



15.4958, 18.9976, 18.8739



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.0074, 46.7640, 34.6924



43.6066, 74.7633, 48.5084



32.0959, 43.6105, 64.4859



11.3398, 12.6457, 13.3469



15.7654, 28.0515, 15.9814



0.8505, 1.4620, 1.0203

Inverse Universe

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



30.3521, 17.8059, 19.9280



46.0004, 24.4218, 23.1206



28.4909, 18.2144, 6.5720



11.4010, 11.2892, 12.6465



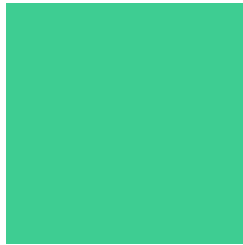
16.7288, 8.5021, 6.2905



0.9005, 0.4536, 0.5218

Previews

White Background



This preview shows how the XYZ color 29.0062, 46.7621, 34.6913 looks on a white background.

Color Contrast Check

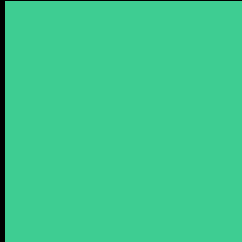
Large Text (above 18pt) WCAG AA × Fail

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 29.0062, 46.7621, 34.6913 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

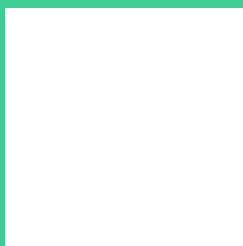
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0062, 46.7621, 34.6913

Background



This preview shows how black text looks on a background with the XYZ color 29.0062, 46.7621, 34.6913.



This preview shows how white text looks on a background with the XYZ color 29.0062, 46.7621,

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

29.0062, 46.7621, 34.6913

Protanopia

42.6868, 45.7292, 29.4985

Deuteranopia

46.8982, 45.9819, 36.5406



Tritanopia

35.7434, 46.3572, 69.3513

Trichromacy



Original Color

29.0062, 46.7621, 34.6913



Protanomaly

34.5349, 44.2790, 31.1526



Deuteranomaly

36.3716, 43.8685, 35.4046



Tritanomaly

32.7250, 46.1400, 54.7581

Monochromacy



Original Color

29.0062, 46.7621, 34.6913



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.8296, 36.6767, 35.2656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0062, 46.7621, 34.6913 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(62, 205, 146)` looks like.

```
.text, #text, p{  
    color:rgb(62, 205, 146)  
}
```

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(62, 205, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 205, 146) }
```

Border

The CSS property to change the border of an element to XYZ 29.0062, 46.7621, 34.6913 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(62, 205, 146) }
```


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

```
.border{ border-color:rgb(62, 205, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 205, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 205, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 205, 146);  
box-shadow:4px 4px 4px 4px rgb(62, 205,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0062, 46.7621, 34.6913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 205, 146) }
```

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

```
.background{ background-color: rgb(62, 205,  
146) }
```

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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