

Converting Colors

XYZ(29.4791, 35.9754, 41.3994)

Have a look what the booklet for
XYZ(29.4791, 35.9754, 41.3994)
contains.

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Color

**XYZ(29.4719, 36.0166,
41.4750)**

Conversions

Conversions Part 1

Format	Color
Hex	7AABA6
RGB	122, 171, 166
RGB Percent	48%, 67%, 65%
CMY	0.5216, 0.3294, 0.3490
CMYK	0.29, 0.00, 0.03, 0.33
HSL	174°, 23%, 57%
HSV	174°, 29%, 67%
XYZ	29.4719, 36.0166, 41.4750
YIQ	155.7790, -27.5990, -11.9430

Conversions

Conversions Part 2

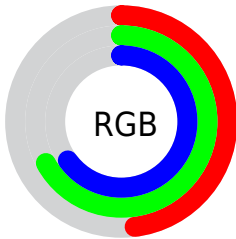
Format	Color
RYB	122, 148, 171
Decimal	8039334
CIELab	66.53, -17.32, -2.68
CIELCh	67, 17.527, 188.800
Yxy	36.0166, 0.2755, 0.3367
Android (android.graphics.Color)	4286229414 (0xFF7AABA6)
YUV	155.7790, 5.0390, -29.6242
Hunter-Lab	60.0138, -17.3655, 1.0349

Details

The XYZ color **29.4719, 36.0166, 41.4750** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.5862, 24.1103, 23.2799**, and the grayscale version is **31.4894, 33.1293, 36.0778**.

A 20% lighter version of the original color is **58.1520, 68.8433, 78.6298**, and **12.2326, 15.7481, 18.3146** is the 20% darker color. If you saturate the color by 10%, you get **27.1017, 34.8140, 40.5345**, and if you desaturate by 10%, it is **32.2724, 37.4426, 42.4485**.

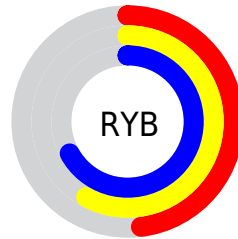
Distribution



Red (48%)

Green (67%)

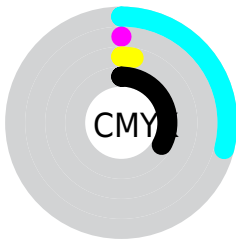
Blue (65%)



Red (48%)

Yellow (58%)

Blue (67%)

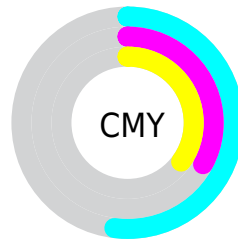


Cyan (29%)

Magenta (0%)

Yellow (3%)

Black (33%)



Cyan (52%)

Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4719, 36.0166, 41.4750 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 29.4719, 36.0166, 41.4750 by changing the saturation by 10% instead.

■ 29.4719, 36.0166,
41.4750

■ 29.4719, 36.0166,
41.4750

291.3892,
329.0331, 368.0372

■ 19.5842, 24.4470,
28.3679

■ 58.2184, 69.0577,
78.6659

■ 12.1996, 15.6655,
18.3617

■ 77.8079, 91.2980,
103.5869

■ 6.9530, 9.2878,
11.0379

■ 101.3620,
117.8640, 133.2828

■ 3.4788, 4.9294,
5.9778

129.2460,
149.1400, 168.1724

■ 1.4117, 2.2059,
2.7630

161.8254,
185.5106, 208.6741

■ 0.2645, 0.7232,
0.9749

199.4655,

■ 0.0000, 0.0000,

227.3600, 255.2064

0.0000

242.5317,
275.0727, 308.1880

■ 29.4719, 36.0166,
41.4750

■ 29.4719, 36.0166,
41.4750

■ 27.1017, 34.8140,
40.5345

■ 32.2724, 37.4426,
42.4485

■ 25.1363, 33.8190,
39.6235

■ 35.5209, 39.0984,
43.4536

■ 23.5525, 33.0203,
38.7416

■ 39.2377, 40.9953,
44.4920

■ 22.3232, 32.4042,
37.8876

■ 43.4409, 43.1428,
45.5647

■ 21.4179, 31.9549,
37.0598

■ 48.1480, 45.5497,
46.6725

■ 20.8008, 31.6539,
36.2567

■ 53.3752, 48.2245,
47.8162

■ 20.4069, 31.4678,
35.4751

■ 59.1382, 51.1753,
48.9966

■ 20.3586, 31.4451,
35.3710

■ 64.0383, 53.6810,
50.1483

■ 64.2173, 53.7526,
51.0907

Harmonies

Analogous

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



29.7286, 36.0166, 34.2056



29.4719, 36.0166, 41.4750



30.4388, 36.0166, 49.0150

Triad

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



29.4719, 36.0166, 41.4750



37.5021, 36.0166, 51.6282



36.0952, 36.0166, 27.1976

Complementary

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



29.4719, 36.0166, 41.4750



27.5862, 24.1103, 23.2799

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.



38.3294, 36.0166, 30.8185



29.4719, 36.0166, 41.4750



39.1702, 36.0166, 44.6931

Square

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



29.4719, 36.0166, 41.4750



35.0127, 36.0166, 55.3503



39.4804, 36.0166, 37.0405



33.4644, 36.0166, 26.5679

Rectangle

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



29.4719, 36.0166, 41.4750



31.6779, 36.0166, 52.9630



39.4804, 36.0166, 37.0405



36.9213, 36.0166, 28.0808

Sweetspot

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



29.4729, 36.0181, 41.4758



63.3004, 69.8606, 77.7277



26.9364, 35.0997, 23.7682



13.9220, 15.4801, 17.2758



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.4729, 36.0181, 41.4758



50.1673, 63.1753, 73.2689



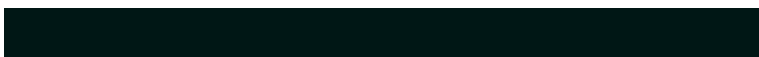
26.6412, 29.6059, 42.8402



8.2006, 9.0578, 10.0812



15.3579, 23.7085, 26.7224



0.4371, 0.6635, 0.7956

Inverse Universe

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



27.5862, 24.1103, 23.2799



46.2650, 38.5309, 35.6234



29.8016, 29.0502, 22.4495



8.0372, 8.0281, 8.5069



12.7495, 6.5623, 1.0601



0.3650, 0.1867, 0.0841

Previews

White Background



This preview shows how the XYZ color 29.4719, 36.0166, 41.4750 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 29.4719, 36.0166, 41.4750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

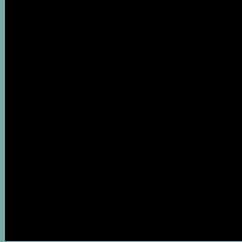
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4719, 36.0166, 41.4750

Background



This preview shows how black text looks on a background with the XYZ color 29.4719, 36.0166, 41.4750.



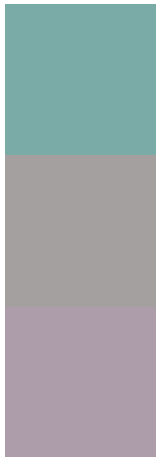
This preview shows how white text looks on a background with the XYZ color 29.4719, 36.0166,

41.4750.

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

29.4719, 36.0166, 41.4750

Protanopia

34.2258, 35.5722, 38.3199

Deuteranopia

36.2835, 35.5257, 42.4809



Tritanopia

31.2356, 36.1890, 49.5948

Trichromacy



Original Color

29.4719, 36.0166, 41.4750

Protanomaly

32.1915, 35.5491, 39.3474

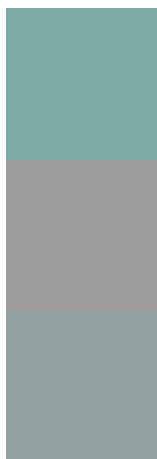
Deuteranomaly

33.1392, 35.1869, 42.0909

Tritanomaly

30.6686, 36.2440, 46.4537

Monochromacy



Original Color

29.4719, 36.0166, 41.4750

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.5916, 33.9571, 38.1997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4719, 36.0166, 41.4750 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(122, 171, 166)` looks like.

```
.text, #text, p{  
    color:rgb(122, 171, 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(122, 171, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 171, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.4719, 36.0166, 41.4750 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(122, 171, 166) }
```


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

```
.border{ border-color:rgb(122, 171, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 171, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 171, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 171, 166);  
box-shadow:4px 4px 4px 4px rgb(122, 171,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4719, 36.0166, 41.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 171, 166) }
```

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

```
.background{ background-color: rgb(122,  
171, 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](#).

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