

Converting Colors

XYZ(29.5284, 36.0874, 37.7275)

Have a look what the booklet for
XYZ(29.5284, 36.0874, 37.7275)
contains.

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Color

**XYZ(29.6366, 36.1836,
37.7699)**

Conversions

Conversions Part 1

Format	Color
Hex	80AB9E
RGB	128, 171, 158
RGB Percent	50%, 67%, 62%
CMY	0.4980, 0.3294, 0.3804
CMYK	0.25, 0.00, 0.08, 0.33
HSL	162°, 20%, 59%
HSV	162°, 25%, 67%
XYZ	29.6366, 36.1836, 37.7699
YIQ	156.6610, -21.4550, -13.1590

Conversions

Conversions Part 2

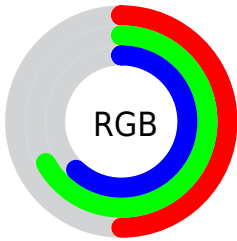
Format	Color
RYB	128, 153, 171
Decimal	8432542
CIELab	66.66, -17.24, 1.99
CIELCh	67, 17.355, 173.414
Yxy	36.1836, 0.2861, 0.3493
Android (android.graphics.Color)	4286622622 (0xFF80AB9E)
YUV	156.6610, 0.6601, -25.1357
Hunter-Lab	60.1528, -17.3225, 4.8788

Details

The XYZ color **29.6366, 36.1836, 37.7699** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.3228, 26.0204, 28.6779**, and the grayscale version is **31.9004, 33.5617, 36.5487**.

A 20% lighter version of the original color is **58.4980, 69.1419, 73.2133**, and **12.3112, 15.8330, 16.3171** is the 20% darker color. If you saturate the color by 10%, you get **26.8425, 34.7945, 35.3651**, and if you desaturate by 10%, it is **32.8849, 37.8066, 40.2953**.

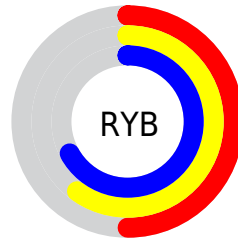
Distribution



Red (50%)

Green (67%)

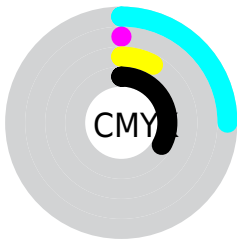
Blue (62%)



Red (50%)

Yellow (60%)

Blue (67%)

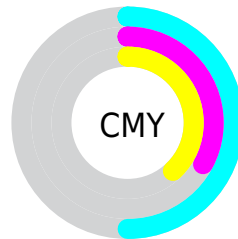


Cyan (25%)

Magenta (0%)

Yellow (8%)

Black (33%)



Cyan (50%)


Magenta (33%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6366, 36.1836, 37.7699 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 29.6366, 36.1836, 37.7699 by changing the saturation by 10% instead.

 29.6366, 36.1836,
37.7699


 29.6366, 36.1836,
37.7699


292.1472,
329.7623, 351.9004


 19.7096, 24.5760,
25.5037


 58.4776, 69.3154,
72.9548

 12.2912, 15.7615,
16.2303


 78.1223, 91.6083,
96.7106

 7.0159, 9.3555,
9.5312


 101.7370,
118.2319, 125.1334

 3.5185, 4.9738,
4.9877

129.6870,
149.5704, 158.6417

 1.4335, 2.2319,
2.1814

162.3376,
186.0083, 197.6539

 0.2799, 0.7373,
0.6636

200.0543,

 0.0000, 0.0000,

227.9300, 242.5888

0.0000

243.2024,
275.7199, 293.8648

■ 29.6366, 36.1836,
37.7699

■ 29.6366, 36.1836,
37.7699

■ 26.8425, 34.7945,
35.3651

■ 32.8849, 37.8066,
40.2953

■ 24.4777, 33.6236,
33.0761

■ 36.6049, 39.6696,
42.9410

■ 22.5194, 32.6602,
30.9016

■ 40.8167, 41.7840,
45.7097

■ 20.9413, 31.8907,
28.8390

■ 45.5383, 44.1589,
48.6035

■ 19.7140, 31.2999,
26.8857

■ 50.7869, 46.8032,
51.6243

■ 18.8037, 30.8706,
25.0388

■ 56.5789, 49.7254,
54.7739

■ 18.1684, 30.5810,
23.2951

■ 62.9297, 52.9333,
58.0542

■ 17.9112, 30.4661,
22.4834

■ 66.1548, 54.5276,
61.2936

■ 66.7670, 54.7724,
64.5174

Harmonies

Analogous

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



30.5118, 36.1836, 31.4266



29.6366, 36.1836, 37.7699



29.9826, 36.1836, 45.3984

Triad

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



29.6366, 36.1836, 37.7699



36.4274, 36.1836, 54.1368



37.4747, 36.1836, 28.9339

Complementary

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



29.6366, 36.1836, 37.7699



29.3228, 26.0204, 28.6779

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.



39.2125, 36.1836, 33.9507



29.6366, 36.1836, 37.7699



38.5868, 36.1836, 48.6143

Square

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



29.6366, 36.1836, 37.7699



33.8182, 36.1836, 55.4954



39.6294, 36.1836, 41.0718



34.9711, 36.1836, 26.7595

Rectangle

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



29.6366, 36.1836, 37.7699



30.8684, 36.1836, 50.1407



39.6294, 36.1836, 41.0718



38.1728, 36.1836, 30.3107

Sweetspot

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



29.6376, 36.1851, 37.7707



63.4686, 69.9976, 75.4598



29.5501, 36.4028, 25.8918



13.9308, 15.4981, 16.6709



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.



29.6376, 36.1851, 37.7707



50.2840, 63.4120, 65.2968



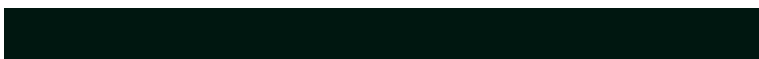
29.3719, 33.7667, 43.4993



8.1316, 9.0302, 9.7181



13.5260, 22.9757, 17.0756



0.3990, 0.6483, 0.5947

Inverse Universe

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



29.3228, 26.0204, 28.6779



49.6278, 42.1586, 46.2952



29.4798, 27.7930, 24.2337



8.1012, 8.0537, 8.8438



13.1438, 6.7201, 3.1368



0.3902, 0.1968, 0.2167

Previews

White Background



This preview shows how the XYZ color 29.6366, 36.1836, 37.7699 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 29.6366, 36.1836, 37.7699 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 29.6366, 36.1836, 37.7699

Background



This preview shows how black text looks on a background with the XYZ color 29.6366, 36.1836, 37.7699.



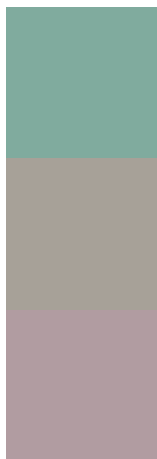
This preview shows how white text looks on a background with the XYZ color 29.6366, 36.1836,

37.7699.

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

29.6366, 36.1836, 37.7699

Protanopia

34.3487, 35.9722, 34.8387

Deuteranopia

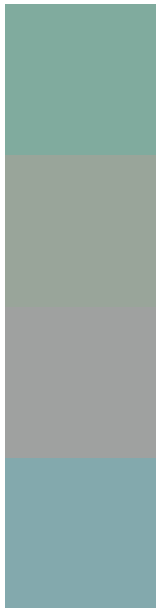
36.4530, 35.6973, 38.6872



Tritanopia

32.0160, 36.3280, 49.0406

Trichromacy



Original Color

29.6366, 36.1836, 37.7699

Protanomaly

32.4247, 36.0157, 35.8146

Deuteranomaly

33.3881, 35.3987, 38.3306

Tritanomaly

31.0909, 36.2184, 44.8873

Monochromacy



Original Color

29.6366, 36.1836, 37.7699

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.8602, 34.3860, 36.9089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6366, 36.1836, 37.7699 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(128, 171, 158)` looks like.

```
.text, #text, p{  
    color:rgb(128, 171, 158)  
}
```

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(128, 171, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 171, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.6366, 36.1836, 37.7699 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(128, 171, 158) }
```


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

```
.border{ border-color:rgb(128, 171, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 171, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 171, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 171, 158);  
box-shadow:4px 4px 4px 4px rgb(128, 171,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6366, 36.1836, 37.7699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 171, 158) }
```

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

```
.background{ background-color: rgb(128,  
171, 158) }
```

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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