

Converting Colors

XYZ(29.1349, 37.1809, 44.9769)

Have a look what the booklet for
XYZ(29.1349, 37.1809, 44.9769)
contains.

XYZ(29.1316, 37.1936, 45.1788)	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(29.1316, 37.1936,
45.1788)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB0AD
RGB	107, 176, 173
RGB Percent	42%, 69%, 68%
CMY	0.5804, 0.3098, 0.3216
CMYK	0.39, 0.00, 0.02, 0.31
HSL	177°, 30%, 55%
HSV	177°, 39%, 69%
XYZ	29.1316, 37.1936, 45.1788
YIQ	155.0270, -40.1610, -15.5610

Conversions

Conversions Part 2

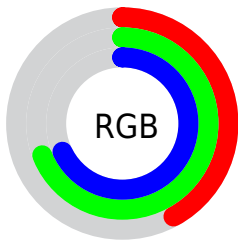
Format	Color
RYB	107, 142, 176
Decimal	7057581
CIELab	67.42, -22.46, -5.34
CIELCh	67, 23.089, 193.376
Yxy	37.1936, 0.2613, 0.3336
Android (android.graphics.Color)	4285247661 (0xFF6BB0AD)
YUV	155.0270, 8.8607, -42.1197
Hunter-Lab	60.9866, -21.4619, -1.2314

Details

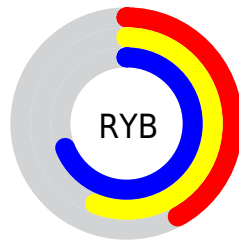
The XYZ color **29.1316, 37.1936, 45.1788** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.9780, 20.8725, 17.4130**, and the grayscale version is **31.1434, 32.7652, 35.6813**.

A 20% lighter version of the original color is **57.7605, 70.9960, 84.0581**, and **12.0023, 16.3033, 20.6034** is the 20% darker color. If you saturate the color by 10%, you get **27.1536, 36.1833, 44.7013**, and if you desaturate by 10%, it is **31.5429, 38.4290, 45.6804**.

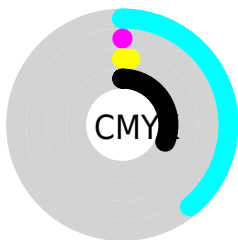
Distribution



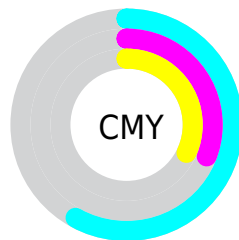
- Red (42%)
- Green (69%)
- Blue (68%)



- Red (42%)
- Yellow (56%)
- Blue (69%)



- Cyan (39%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)



- Cyan (58%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1316, 37.1936, 45.1788 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 29.1316, 37.1936, 45.1788 by changing the saturation by 10% instead.

■ 29.1316, 37.1936,
45.1788

■ 29.1316, 37.1936,
45.1788

■ 289.8184,
334.1479, 383.6784

■ 19.3252, 25.3574,
31.2543

■ 57.6822, 70.8704,
84.3099

■ 12.0109, 16.3435,
20.5325

■ 77.1571, 93.4799,
110.3537

■ 6.8233, 9.7676,
12.5948

■ 100.5856,
120.4492, 141.2742

■ 3.3972, 5.2451,
7.0227

■ 128.3329,
152.1628, 177.4902

■ 1.3671, 2.3918,
3.3976

■ 160.7645,
189.0051, 219.4200

■ 0.2326, 0.8217,
1.3011

■ 198.2457,

■ 0.0000, 0.0000,

231.3605, 267.4823

0.0627

241.1419,
279.6133, 322.0956

■ 0.0000, 0.0000,
0.0000

■ 29.1316, 37.1936,
45.1788

■ 29.1316, 37.1936,
45.1788

■ 27.1536, 36.1833,
44.7013

■ 31.5429, 38.4290,
45.6804

■ 25.5793, 35.3803,
44.2441

■ 34.4083, 39.8975,
46.2047

■ 24.3806, 34.7708,
43.8067

■ 37.7513, 41.6122,
46.7535

■ 23.5245, 34.3378,
43.3876

■ 41.5925, 43.5837,
47.3279

■ 22.9722, 34.0614,
42.9848

■ 45.9517, 45.8222,
47.9287

■ 22.6493, 33.9033,
42.5950

■ 50.8475, 48.3372,
48.5569

■ 22.6261, 33.8919,
42.5642

■ 56.2973, 51.1378,
49.2133

■ 62.3181, 54.2327,
49.8986

■ 64.9932, 55.6028,
50.4296

Harmonies

Analogous

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



29.2195, 37.1936, 35.1702



29.1316, 37.1936, 45.1788



30.6290, 37.1936, 55.4224

Triad

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



29.1316, 37.1936, 45.1788



40.2375, 37.1936, 56.3917



37.3356, 37.1936, 24.5371

Complementary

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



29.1316, 37.1936, 45.1788



25.9780, 20.8725, 17.4130

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.



40.5358, 37.1936, 28.5258



29.1316, 37.1936, 45.1788



42.2862, 37.1936, 46.3373

Square

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



29.1316, 37.1936, 45.1788



36.9503, 37.1936, 62.5885



42.3989, 37.1936, 36.1513



33.7993, 37.1936, 24.3328

Rectangle

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



29.1316, 37.1936, 45.1788



32.3867, 37.1936, 60.5538



42.3989, 37.1936, 36.1513



38.4918, 37.1936, 25.4451

Sweetspot

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



29.1327, 37.1951, 45.1797



66.5497, 74.4849, 84.4881



24.6669, 35.4576, 19.4548



14.2537, 16.0555, 18.2826



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.1327, 37.1951, 45.1797



49.6966, 65.8524, 81.1878



24.0188, 26.4972, 44.9245



8.7264, 9.6250, 10.8187



16.6063, 24.8685, 31.2593



0.5274, 0.7844, 1.0092

Inverse Universe

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



25.9780, 20.8725, 17.4130



43.1748, 32.0848, 23.7672



29.6553, 28.4843, 17.8459



8.5108, 8.5111, 8.9226



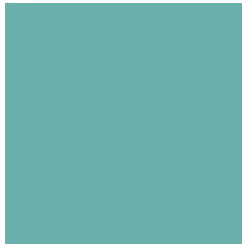
13.1733, 6.7869, 0.8068



0.4194, 0.2155, 0.0514

Previews

White Background



This preview shows how the XYZ color 29.1316, 37.1936, 45.1788 looks on a white background.

Color Contrast Check

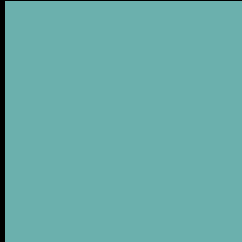
Large Text (above 18pt) WCAG AA × Fail

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 29.1316, 37.1936, 45.1788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

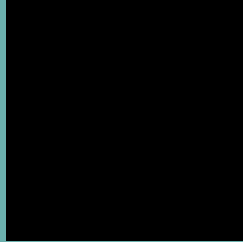
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1316, 37.1936, 45.1788

Background



This preview shows how black text looks on a background with the XYZ color 29.1316, 37.1936, 45.1788.

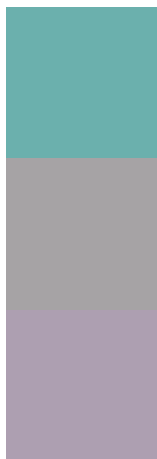


This preview shows how white text looks on a background with the XYZ color 29.1316, 37.1936,

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

29.1316, 37.1936, 45.1788

Protanopia

35.6146, 37.0180, 40.8654

Deuteranopia

37.5675, 36.8548, 46.7286



Tritanopia

30.7687, 37.2825, 53.1515

Trichromacy



Original Color

29.1316, 37.1936, 45.1788

Protanomaly

32.7476, 36.8522, 42.4330

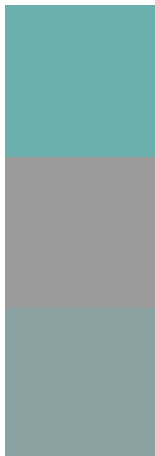
Deuteranomaly

33.6860, 36.4344, 46.3314

Tritanomaly

30.3076, 37.3938, 50.4201

Monochromacy



Original Color

29.1316, 37.1936, 45.1788

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.1000, 34.2063, 39.1985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1316, 37.1936, 45.1788 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(107, 176, 173)` looks like.

```
.text, #text, p{  
    color:rgb(107, 176, 173)  
}
```

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(107, 176, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 176, 173) }
```

Border

The CSS property to change the border of an element to XYZ 29.1316, 37.1936, 45.1788 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(107, 176, 173) }
```


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

```
.border{ border-color:rgb(107, 176, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 176, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 176, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 176, 173);  
box-shadow:4px 4px 4px 4px rgb(107, 176,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1316, 37.1936, 45.1788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 176, 173) }
```

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

```
.background{ background-color: rgb(107,  
176, 173) }
```

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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