

Converting Colors

XYZ(29.5023, 37.2050, 45.9796)

Have a look what the booklet for
XYZ(29.5023, 37.2050, 45.9796)
contains.

XYZ(29.4982, 37.0701, 46.1580)	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(29.4982, 37.0701,
46.1580)**

Conversions

Conversions Part 1

Format	Color
Hex	6EAFAF
RGB	110, 175, 175
RGB Percent	43%, 69%, 69%
CMY	0.5686, 0.3137, 0.3137
CMYK	0.37, 0.00, 0.00, 0.31
HSL	180°, 29%, 56%
HSV	180°, 37%, 69%
XYZ	29.4982, 37.0701, 46.1580
YIQ	155.5650, -38.7400, -13.7800

Conversions

Conversions Part 2

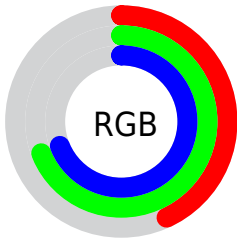
Format	Color
RYB	110, 143, 175
Decimal	7253935
CIELab	67.33, -20.66, -6.57
CIELCh	67, 21.675, 197.646
Yxy	37.0701, 0.2617, 0.3289
Android (android.graphics.Color)	4285444015 (0xFF6EAF AF)
YUV	155.5650, 9.5815, -39.9605
Hunter-Lab	60.8852, -20.0679, -2.3290

Details

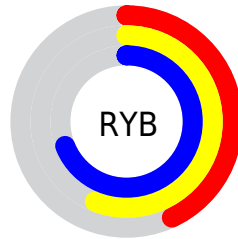
The XYZ color **29.4982, 37.0701, 46.1580** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **26.0708, 21.3926, 17.5082**, and the grayscale version is **31.3782, 33.0123, 35.9504**.

A 20% lighter version of the original color is **58.1687, 70.7575, 85.4547**, and **12.2220, 16.2190, 21.2253** is the 20% darker color. If you saturate the color by 10%, you get **27.5325, 36.0577, 46.0665**, and if you desaturate by 10%, it is **31.8961, 38.3072, 46.2713**.

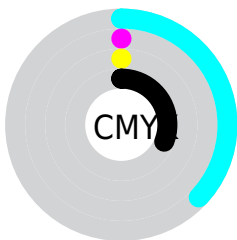
Distribution



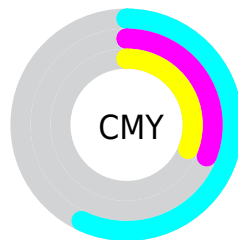
- Red (43%)
- Green (69%)
- Blue (69%)



- Red (43%)
- Yellow (56%)
- Blue (69%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (57%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4982, 37.0701, 46.1580 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 29.4982, 37.0701, 46.1580 by changing the saturation by 10% instead.

■ 29.4982, 37.0701,
46.1580

■ 29.4982, 37.0701,
46.1580

291.5104,
333.6139, 387.7395

■ 19.6042, 25.2618,
32.0210

■ 58.2598, 70.6806,
85.7922

■ 12.2142, 16.2722,
21.1126

■ 77.8581, 93.2515,
112.1264

■ 6.9630, 9.7170,
13.0143

■ 101.4219,
120.1788, 143.3634

■ 3.4851, 5.2117,
7.3075

■ 129.3165,
151.8468, 179.9218

■ 1.4152, 2.3720,
3.5738

161.9073,
188.6399, 222.2200

■ 0.2670, 0.8114,
1.3946

199.5596,

■ 0.0000, 0.0000,

230.9425, 270.6767

0.1375

242.6389,
279.1391, 325.7104

■ 0.0000, 0.0000,
0.0000

■ 29.4982, 37.0701,
46.1580

■ 29.4982, 37.0701,
46.1580

■ 27.5325, 36.0577,
46.0665

■ 31.8961, 38.3072,
46.2713

■ 25.9703, 35.2523,
45.9932

■ 34.7463, 39.7765,
46.4050

■ 24.7845, 34.6410,
45.9374

■ 38.0715, 41.4907,
46.5609

■ 23.9435, 34.2075,
45.8977

■ 41.8920, 43.4602,
46.7399

■ 23.4104, 33.9326,
45.8725

■ 46.2270, 45.6950,
46.9431

■ 23.1309, 33.7886,
45.8592

■ 51.0945, 48.2043,
47.1712

■ 23.0683, 33.7563,
45.8562

■ 56.5117, 50.9969,
47.4250

■ 62.4951, 54.0815,
47.7052

■ 64.3091, 55.0166,
47.7904

Harmonies

Analogous

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



29.3630, 37.0701, 36.5793



29.4982, 37.0701, 46.1580



31.1089, 37.0701, 55.4245

Triad

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



29.4982, 37.0701, 46.1580



40.1613, 37.0701, 53.9640



36.6165, 37.0701, 25.0183

Complementary

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



29.4982, 37.0701, 46.1580



26.0708, 21.3926, 17.5082

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.



39.7086, 37.0701, 28.3119



29.4982, 37.0701, 46.1580



41.8397, 37.0701, 44.3991

Square

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



29.4982, 37.0701, 46.1580



37.2033, 37.0701, 60.3948



41.6690, 37.0701, 35.0746



33.3355, 37.0701, 25.3371

Rectangle

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



29.4982, 37.0701, 46.1580



32.8632, 37.0701, 59.7258



41.6690, 37.0701, 35.0746



37.7162, 37.0701, 25.7152

Sweetspot

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



29.4993, 37.0716, 46.1589



65.6667, 73.0086, 83.2674



24.7115, 35.1721, 20.2390



14.4194, 16.1364, 18.4988



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.



29.4993, 37.0716, 46.1589



49.7448, 64.8006, 82.5205



24.0796, 26.2318, 44.3533



8.2364, 9.0721, 10.2696



16.5193, 24.1730, 32.8377



0.4596, 0.6725, 0.9135

Inverse Universe

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



26.0708, 21.3926, 17.5082



42.6645, 32.4213, 23.3530



30.0814, 29.4139, 18.8445



8.0053, 8.0154, 8.3386



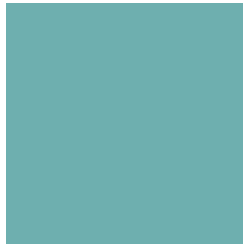
12.6607, 6.5268, 0.5926



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 29.4982, 37.0701, 46.1580 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 29.4982, 37.0701, 46.1580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

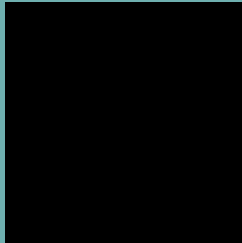
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4982, 37.0701, 46.1580

Background



This preview shows how black text looks on a background with the XYZ color 29.4982, 37.0701, 46.1580.

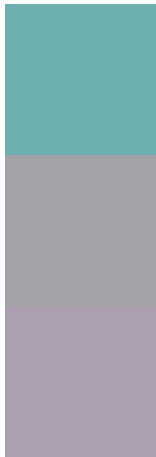


This preview shows how white text looks on a background with the XYZ color 29.4982, 37.0701,

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

29.4982, 37.0701, 46.1580

Protanopia

35.4124, 36.6300, 41.7631

Deuteranopia

37.4473, 36.7813, 47.2453



Tritanopia

30.7233, 36.9857, 52.5334

Trichromacy



Original Color

29.4982, 37.0701, 46.1580

Protanomaly

32.7515, 36.5595, 43.3607

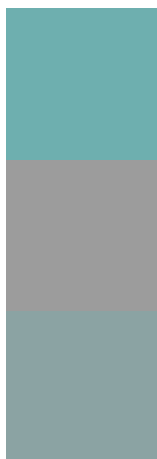
Deuteranomaly

33.7854, 36.4742, 46.8545

Tritanomaly

30.3654, 37.1357, 50.3672

Monochromacy



Original Color

29.4982, 37.0701, 46.1580

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.3555, 34.3277, 39.6763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4982, 37.0701, 46.1580 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(110, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(110, 175, 175)  
}
```

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(110, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 175, 175) }
```

Border

The CSS property to change the border of an element to XYZ 29.4982, 37.0701, 46.1580 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(110, 175, 175) }
```


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

```
.border{ border-color:rgb(110, 175, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 175, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(110, 175,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4982, 37.0701, 46.1580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 175, 175) }
```

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

```
.background{ background-color: rgb(110,  
175, 175) }
```

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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