

Converting Colors

XYZ(29.4306, 37.7362, 47.4638)

Have a look what the booklet for
XYZ(29.4306, 37.7362, 47.4638)
contains.

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Color

**XYZ(29.2515, 37.5022,
47.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	67B1B1
RGB	103, 177, 177
RGB Percent	40%, 69%, 69%
CMY	0.5961, 0.3059, 0.3059
CMYK	0.42, 0.00, 0.00, 0.31
HSL	180°, 32%, 55%
HSV	180°, 42%, 69%
XYZ	29.2515, 37.5022, 47.2919
YIQ	154.8740, -44.1040, -15.6880

Conversions

Conversions Part 2

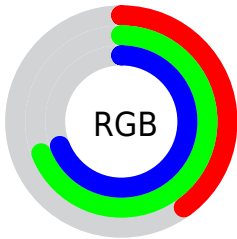
Format	Color
RYB	103, 140, 177
Decimal	6795697
CIELab	67.65, -22.99, -7.23
CIElCh	68, 24.104, 197.467
Yxy	37.5022, 0.2565, 0.3288
Android (android.graphics.Color)	4284985777 (0xFF67B1B1)
YUV	154.8740, 10.9081, -45.4935
Hunter-Lab	61.2390, -21.9058, -2.9194

Details

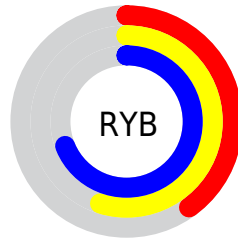
The XYZ color **29.2515, 37.5022, 47.2919** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.4312, 20.0280, 15.3588**, and the grayscale version is **31.0682, 32.6862, 35.5953**.

A 20% lighter version of the original color is **57.9474, 71.4301, 87.8240**, and **12.0816, 16.5003, 21.9501** is the 20% darker color. If you saturate the color by 10%, you get **27.4325, 36.5654, 47.2074**, and if you desaturate by 10%, it is **31.5024, 38.6635, 47.3983**.

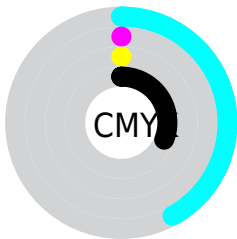
Distribution



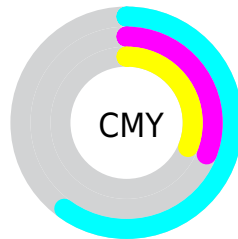
- Red (40%)
- Green (69%)
- Blue (69%)



- Red (40%)
- Yellow (55%)
- Blue (69%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (60%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2515, 37.5022, 47.2919 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 29.2515, 37.5022, 47.2919 by changing the saturation by 10% instead.

■ 29.2515, 37.5022,
47.2919

■ 29.2515, 37.5022,
47.2919

290.3726,
335.4797, 392.4059

■ 19.4164, 25.5966,
32.9105

■ 57.8712, 71.3445,
87.5037

■ 12.0773, 16.5221,
21.7873

■ 77.3866, 94.0499,
114.1712

■ 6.8689, 9.8943,
13.5039

■ 100.8594,
121.1241, 145.7711

■ 3.4259, 5.3290,
7.6416

■ 128.6550,
152.9514, 182.7219

■ 1.3828, 2.4415,
3.7820

161.1387,
189.9162, 225.4423

■ 0.2439, 0.8471,
1.5066

198.6760,

■ 0.0000, 0.0000,

232.4029, 274.3508

0.2228

241.6322,
280.7960, 329.8658

■ 0.0000, 0.0000,
0.0000

■ 29.2515, 37.5022,
47.2919

■ 29.2515, 37.5022,
47.2919

■ 27.4325, 36.5654,
47.2074

■ 31.5024, 38.6635,
47.3983

■ 26.0149, 35.8346,
47.1408

■ 34.2070, 40.0577,
47.5251

■ 24.9692, 35.2955,
47.0916


■ 37.3893, 41.6983,
47.6743


■ 24.2605, 34.9302,
47.0582


■ 41.0710, 43.5962,
47.8468


■ 23.8475, 34.7172,
47.0386


■ 45.2720, 45.7620,
48.0437

 23.6584, 34.6198,
47.0296

 50.0116, 48.2053,
48.2657

 55.3078, 50.9356,
48.5138

 61.1779, 53.9617,
48.7888

 64.8991, 55.8801,
48.9632

Harmonies

Analogous

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



29.1121, 37.5022, 36.5501



29.2515, 37.5022, 47.2919



31.0274, 37.5022, 57.8536

Triad

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



29.2515, 37.5022, 47.2919



41.1760, 37.5022, 56.2956



37.2185, 37.5022, 23.9319

Complementary

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



29.2515, 37.5022, 47.2919



25.4312, 20.0280, 15.3588

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.



40.6988, 37.5022, 27.5291



29.2515, 37.5022, 47.2919



43.0880, 37.5022, 45.4391

Square

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



29.2515, 37.5022, 47.2919



37.8337, 37.5022, 63.6406



42.9075, 37.5022, 34.9916



33.5418, 37.5022, 24.2528

Rectangle

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



29.2515, 37.5022, 47.2919



32.9749, 37.5022, 62.8123



42.9075, 37.5022, 34.9916



38.4549, 37.5022, 24.6927

Sweetspot

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



29.2526, 37.5037, 47.2928



66.1006, 74.2341, 85.3395



23.9076, 35.3821, 18.4022



14.0474, 15.9446, 18.4814



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.



29.2526, 37.5037, 47.2928



49.4076, 65.6286, 84.5566



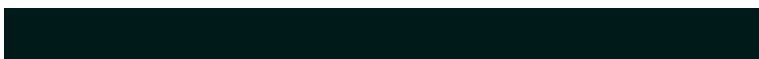
23.0898, 25.1778, 45.2395



8.7427, 9.6316, 10.9046



17.1407, 25.0822, 34.0732



0.5393, 0.7892, 1.0721

Inverse Universe

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



25.4312, 20.0280, 15.3588



41.6555, 30.1770, 19.7745



29.7799, 28.7255, 16.8079



8.4964, 8.5053, 8.8464



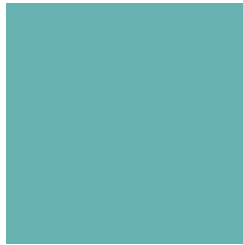
13.1369, 6.7723, 0.6149



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 29.2515, 37.5022, 47.2919 looks on a white background.

Color Contrast Check

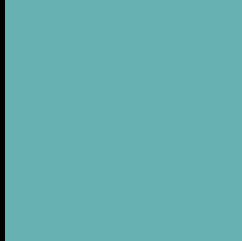
Large Text (above 18pt) WCAG AA × Fail

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 29.2515, 37.5022, 47.2919 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 29.2515, 37.5022, 47.2919

Background



This preview shows how black text looks on a background with the XYZ color 29.2515, 37.5022, 47.2919.

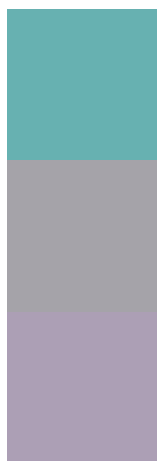


This preview shows how white text looks on a background with the XYZ color 29.2515, 37.5022,

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

29.2515, 37.5022, 47.2919

Protanopia

35.7757, 37.0583, 42.8035

Deuteranopia

37.7519, 36.9031, 48.8493



Tritanopia

30.5787, 37.4599, 53.7629

Trichromacy



Original Color

29.2515, 37.5022, 47.2919

Protanomaly

32.6044, 36.7346, 44.4018

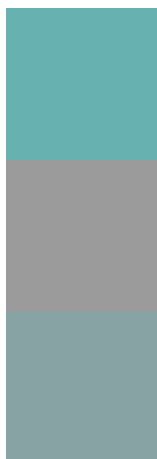
Deuteranomaly

33.9071, 36.7708, 48.4904

Tritanomaly

30.2261, 37.6176, 51.5668

Monochromacy



Original Color

29.2515, 37.5022, 47.2919

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.8614, 34.0730, 39.6532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2515, 37.5022, 47.2919 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(103, 177, 177)` looks like.

```
.text, #text, p{  
    color:rgb(103, 177, 177)  
}
```

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(103, 177, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 177, 177) }
```

Border

The CSS property to change the border of an element to XYZ 29.2515, 37.5022, 47.2919 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(103, 177, 177) }
```


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

```
.border{ border-color:rgb(103, 177, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 177, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 177, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 177, 177);  
box-shadow:4px 4px 4px 4px rgb(103, 177,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2515, 37.5022, 47.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 177, 177) }
```

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

```
.background{ background-color: rgb(103,  
177, 177) }
```

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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