

Converting Colors

XYZ(29.8856, 36.5237, 46.5230)

Have a look what the booklet for
XYZ(29.8856, 36.5237, 46.5230)
contains.

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Color

**XYZ(29.7915, 36.3526,
46.5209)**

Conversions

Conversions Part 1

Format	Color
Hex	74ACB0
RGB	116, 172, 176
RGB Percent	45%, 67%, 69%
CMY	0.5451, 0.3255, 0.3098
CMYK	0.34, 0.02, 0.00, 0.31
HSL	184°, 28%, 57%
HSV	184°, 34%, 69%
XYZ	29.7915, 36.3526, 46.5209
YIQ	155.7120, -34.6600, -10.6280

Conversions

Conversions Part 2

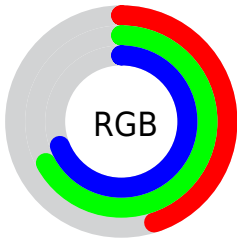
Format	Color
RYB	116, 145, 176
Decimal	7646384
CIELab	66.79, -17.20, -7.90
CIELCh	67, 18.930, 204.653
Yxy	36.3526, 0.2644, 0.3227
Android (android.graphics.Color)	4285836464 (0xFF74ACB0)
YUV	155.7120, 10.0020, -34.8274
Hunter-Lab	60.2931, -17.3141, -3.5417

Details

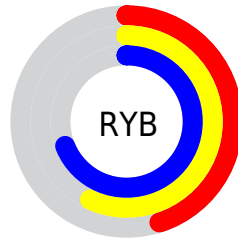
The XYZ color **29.7915, 36.3526, 46.5209** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.7740, 23.9246, 19.6781**, and the grayscale version is **31.4405, 33.0778, 36.0217**.

A 20% lighter version of the original color is **58.8865, 69.8590, 86.7244**, and **12.4689, 15.9782, 21.4957** is the 20% darker color. If you saturate the color by 10%, you get **27.4480, 34.8155, 46.3483**, and if you desaturate by 10%, it is **32.5823, 38.1251, 46.7165**.

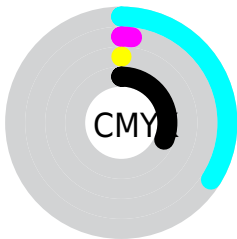
Distribution



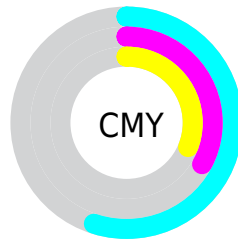
- Red (45%)
- Green (67%)
- Blue (69%)



- Red (45%)
- Yellow (57%)
- Blue (69%)



- Cyan (34%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)



- Cyan (55%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7915, 36.3526, 46.5209 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 29.7915, 36.3526, 46.5209 by changing the saturation by 10% instead.

■ 29.7915, 36.3526,
46.5209

■ 29.7915, 36.3526,
46.5209

292.8587,
330.4991, 389.2372

■ 19.8277, 24.7066,
32.3054

■ 58.7212, 69.5759,
86.3405

■ 12.3774, 15.8586,
21.3282

■ 78.4178, 91.9221,
112.7817

■ 7.0753, 9.4242,
13.1705

■ 102.0893,
118.6038, 144.1353

■ 3.5560, 5.0189,
7.4140

130.1011,
150.0055, 180.8198

■ 1.4541, 2.2583,
3.6400

162.8186,
186.5114, 223.2536

■ 0.2943, 0.7515,
1.4300

200.6071,

■ 0.0000, 0.0000,

228.5061, 271.8555

0.1649

243.8320,
276.3738, 327.0438

■ 0.0000, 0.0000,
0.0000

■ 29.7915, 36.3526,
46.5209

■ 29.7915, 36.3526,
46.5209

■ 27.4480, 34.8155,
46.3483

■ 32.5823, 38.1251,
46.7165

■ 25.5236, 33.4964,
46.1952

■ 35.8404, 40.1405,
46.9338

■ 23.9917, 32.3825,
46.0609

■ 39.5884, 42.4113,
47.1746

■ 22.8213, 31.4580,
45.9441

■ 43.8464, 44.9481,
47.4398

■ 21.9770, 30.7044,
45.8432

■ 48.6335, 47.7606,
47.7304

■ 21.4158, 30.0997,
45.7560

■ 53.9678, 50.8581,
48.0471

■ 21.1609, 29.7832,
45.7084

■ 59.8665, 54.2495,
48.3908

■ 65.6791, 57.5996,
48.7311

■ 65.9192, 58.0799,
48.8112

Harmonies

Analogous

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



29.3612, 36.3526, 38.1324



29.7915, 36.3526, 46.5209



31.4675, 36.3526, 53.8668

Triad

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



29.7915, 36.3526, 46.5209



39.2342, 36.3526, 49.4095



35.0670, 36.3526, 25.8813

Complementary

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



29.7915, 36.3526, 46.5209



27.7740, 23.9246, 19.6781

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.



37.8319, 36.3526, 28.0759



29.7915, 36.3526, 46.5209



40.3213, 36.3526, 41.0675

Square

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



29.7915, 36.3526, 46.5209



36.8969, 36.3526, 55.6892



39.7945, 36.3526, 33.3695



32.3087, 36.3526, 26.9248

Rectangle

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



29.7915, 36.3526, 46.5209



33.1171, 36.3526, 56.7936



39.7945, 36.3526, 33.3695



36.0279, 36.3526, 26.2545

Sweetspot

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



29.7926, 36.3540, 46.5217



67.5547, 74.3564, 85.2870



26.0584, 36.0964, 23.0476



14.4432, 15.9944, 18.4703



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.



29.7926, 36.3540, 46.5217



50.7188, 63.7677, 84.1305



24.8623, 26.4935, 44.8783



8.6932, 9.5326, 10.8881



15.5428, 21.8860, 33.5422



0.5035, 0.7174, 1.0602

Inverse Universe

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



31.5972, 24.7005, 42.1335



54.5437, 39.5217, 74.7280



31.8051, 31.9869, 21.0218



8.8251, 8.6368, 10.5774



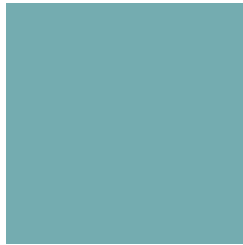
18.0800, 8.7495, 26.6447



0.5761, 0.2782, 0.8767

Previews

White Background



This preview shows how the XYZ color 29.7915, 36.3526, 46.5209 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 29.7915, 36.3526, 46.5209 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

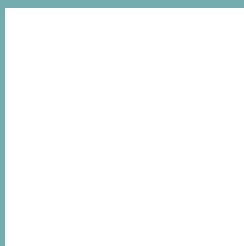
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7915, 36.3526, 46.5209

Background



This preview shows how black text looks on a background with the XYZ color 29.7915, 36.3526, 46.5209.

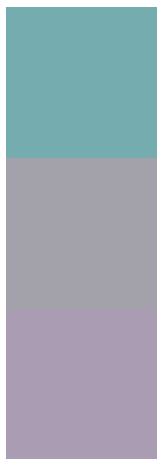


This preview shows how white text looks on a background with the XYZ color 29.7915, 36.3526,

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

29.7915, 36.3526, 46.5209

Protanopia

35.0106, 36.1408, 42.6667

Deuteranopia

36.7712, 35.9147, 47.6420



Tritanopia

30.6859, 36.4381, 50.7633

Trichromacy



Original Color

29.7915, 36.3526, 46.5209

Protanomaly

32.7556, 35.9998, 44.2520

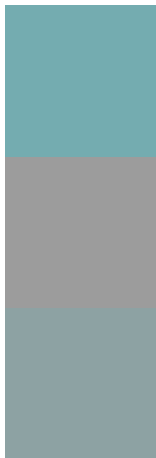
Deuteranomaly

33.5339, 35.5390, 47.2118

Tritanomaly

30.2395, 36.2439, 49.1180

Monochromacy



Original Color

29.7915, 36.3526, 46.5209

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.5157, 34.1477, 39.6332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7915, 36.3526, 46.5209 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(116, 172, 176)` looks like.

```
.text, #text, p{  
    color:rgb(116, 172, 176)  
}
```

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(116, 172, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 172, 176) }
```

Border

The CSS property to change the border of an element to XYZ 29.7915, 36.3526, 46.5209 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(116, 172, 176) }
```


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

```
.border{ border-color:rgb(116, 172, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 172, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 172, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 172, 176); box-shadow:4px 4px 4px 4px rgb(116, 172, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7915, 36.3526, 46.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 172, 176) }
```

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

```
.background{ background-color: rgb(116,  
172, 176) }
```

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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