

Converting Colors

XYZ(29.5957, 35.0046, 47.2044)

Have a look what the booklet for
XYZ(29.5957, 35.0046, 47.2044)
contains.

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Color

**XYZ(29.6463, 35.1416,
47.3400)**

Conversions

Conversions Part 1

Format	Color
Hex	77A8B2
RGB	119, 168, 178
RGB Percent	47%, 66%, 70%
CMY	0.5333, 0.3412, 0.3020
CMYK	0.33, 0.06, 0.00, 0.30
HSL	190°, 28%, 58%
HSV	190°, 33%, 70%
XYZ	29.6463, 35.1416, 47.3400
YIQ	154.4890, -32.4140, -7.2780

Conversions

Conversions Part 2

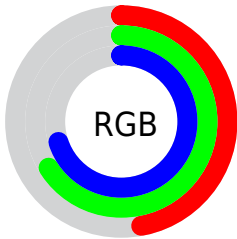
Format	Color
RYB	119, 146, 178
Decimal	7841970
CIELab	65.86, -13.75, -10.38
CIElCh	66, 17.227, 217.044
Yxy	35.1416, 0.2644, 0.3134
Android (android.graphics.Color)	4286032050 (0xFF77A8B2)
YUV	154.4890, 11.5909, -31.1239
Hunter-Lab	59.2804, -14.4722, -5.8515

Details

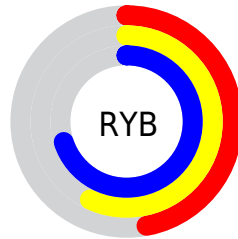
The XYZ color **29.6463, 35.1416, 47.3400** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.5407, 26.4978, 21.0112**, and the grayscale version is **30.8918, 32.5006, 35.3931**.

A 20% lighter version of the original color is **58.4725, 67.6001, 87.8082**, and **12.2618, 15.1647, 21.6829** is the 20% darker color. If you saturate the color by 10%, you get **26.8783, 32.8983, 47.0535**, and if you desaturate by 10%, it is **32.8869, 37.6494, 47.6539**.

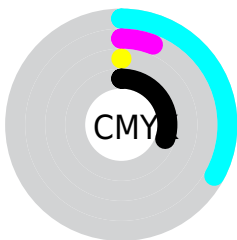
Distribution



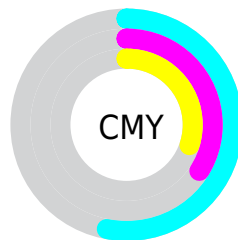
- Red (47%)
- Green (66%)
- Blue (70%)



- Red (47%)
- Yellow (57%)
- Blue (70%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (30%)



- Cyan (53%)
- Magenta (34%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6463, 35.1416, 47.3400 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 29.6463, 35.1416, 47.3400 by changing the saturation by 10% instead.

■ 29.6463, 35.1416,
47.3400

■ 29.6463, 35.1416,
47.3400

292.1918,
325.1929, 392.6030

■ 19.7170, 23.7720,
32.9482

■ 58.4928, 67.7051,
87.5762

■ 12.2966, 15.1646,
21.8160

■ 78.1408, 89.6677,
114.2577

■ 7.0196, 8.9350,
13.5247

■ 101.7591,
115.9301, 145.8729

■ 3.5208, 4.6988,
7.6559

129.7129,
146.8767, 182.8404

■ 1.4348, 2.0716,
3.7910

162.3678,
182.8919, 225.5785

■ 0.2808, 0.6486,
1.5114

200.0890,

■ 0.0000, 0.0000,

224.3601, 274.5060

0.2264

243.2419,
271.6656, 330.0413

■ 0.0000, 0.0000,
0.0000

■ 29.6463, 35.1416,
47.3400

■ 29.6463, 35.1416,
47.3400

■ 26.8783, 32.8983,
47.0535

■ 32.8869, 37.6494,
47.6539

■ 24.5540, 30.9020,
46.7907

■ 36.6205, 40.4298,
47.9937

■ 22.6463, 29.1393,
46.5510

■ 40.8704, 43.4958,
48.3615

■ 21.1236, 27.5939,
46.3330

■ 45.6572, 46.8581,
48.7582

■ 19.9498, 26.2471,
46.1348

■ 51.0005, 50.5270,
49.1848

■ 19.0816, 25.0763,
45.9546

■ 56.9188, 54.5121,
49.6421

■ 18.6003, 24.3431,
45.8385

■ 63.4299, 58.8228,
50.1309

■ 68.1552, 62.2329,
50.5401

■ 68.8250, 63.5724,
50.7633

Harmonies

Analogous

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



28.7771, 35.1416, 40.0074



29.6463, 35.1416, 47.3400



31.5290, 35.1416, 52.6694

Triad

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



29.6463, 35.1416, 47.3400



38.1115, 35.1416, 43.9922



32.8046, 35.1416, 25.9741

Complementary

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



29.6463, 35.1416, 47.3400



29.5407, 26.4978, 21.0112

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.



35.3457, 35.1416, 26.7573



29.6463, 35.1416, 47.3400



38.4955, 35.1416, 36.5705

Square

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



29.6463, 35.1416, 47.3400



36.4359, 35.1416, 50.5716



37.4601, 35.1416, 30.4278



30.5396, 35.1416, 28.1340

Rectangle

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



29.6463, 35.1416, 47.3400



33.1494, 35.1416, 54.0309



37.4601, 35.1416, 30.4278



33.6539, 35.1416, 25.9069

Sweetspot

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



29.6474, 35.1430, 47.3408



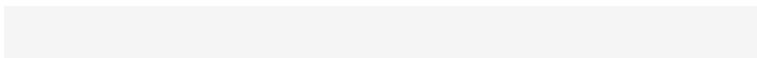
68.5990, 74.9133, 87.2253



27.4803, 37.3440, 26.4715



14.9688, 16.4303, 19.3047



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.6474, 35.1430, 47.3408



49.8966, 60.6140, 85.4510



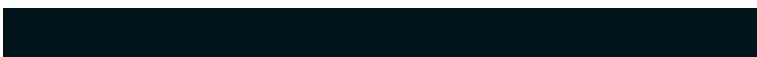
24.8289, 25.5060, 45.7346



8.6177, 9.3816, 10.8630



13.3485, 17.4974, 32.8108



0.4524, 0.6153, 1.0432

Inverse Universe

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



32.0257, 25.4867, 40.2789



54.9971, 40.6706, 70.1348



33.9744, 35.3653, 22.4892



8.7870, 8.6215, 10.3766



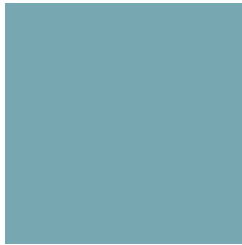
16.9724, 8.3065, 20.8122



0.5504, 0.2679, 0.7409

Previews

White Background



This preview shows how the XYZ color 29.6463, 35.1416, 47.3400 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 29.6463, 35.1416, 47.3400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

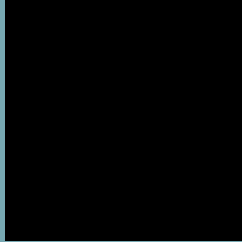
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6463, 35.1416, 47.3400

Background



This preview shows how black text looks on a background with the XYZ color 29.6463, 35.1416, 47.3400.

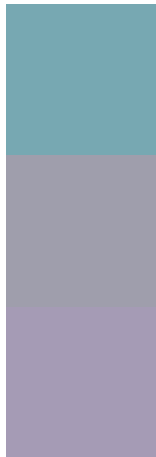


This preview shows how white text looks on a background with the XYZ color 29.6463, 35.1416,

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

29.6463, 35.1416, 47.3400

Protanopia

33.9713, 34.8032, 43.9569

Deuteranopia

35.5789, 34.7782, 48.5537



Tritanopia

30.0889, 35.3345, 48.9505

Trichromacy



Original Color

29.6463, 35.1416, 47.3400

Protanomaly

32.0619, 34.8259, 45.0766

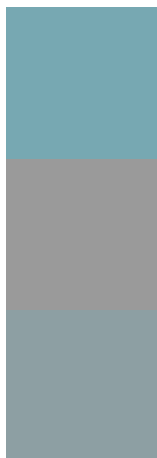
Deuteranomaly

33.0218, 34.7328, 48.1437

Tritanomaly

29.9866, 35.2936, 48.4119

Monochromacy



Original Color

29.6463, 35.1416, 47.3400

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.9935, 33.1033, 39.4591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6463, 35.1416, 47.3400 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(119, 168, 178)` looks like.

```
.text, #text, p{  
    color:rgb(119, 168, 178)  
}
```

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(119, 168, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 168, 178) }
```

Border

The CSS property to change the border of an element to XYZ 29.6463, 35.1416, 47.3400 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(119, 168, 178) }
```


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

```
.border{ border-color:rgb(119, 168, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 168, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 168, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 168, 178);  
box-shadow:4px 4px 4px 4px rgb(119, 168,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6463, 35.1416, 47.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 168, 178) }
```

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

```
.background{ background-color: rgb(119,  
168, 178) }
```

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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