

Converting Colors

XYZ(30.0511, 37.2513, 41.4841)

Have a look what the booklet for
XYZ(30.0511, 37.2513, 41.4841)
contains.

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Color

**XYZ(30.0450, 37.1629,
41.6660)**

Conversions

Conversions Part 1

Format	Color
Hex	7AAEA6
RGB	122, 174, 166
RGB Percent	48%, 68%, 65%
CMY	0.5216, 0.3176, 0.3490
CMYK	0.30, 0.00, 0.05, 0.32
HSL	171°, 24%, 58%
HSV	171°, 30%, 68%
XYZ	30.0450, 37.1629, 41.6660
YIQ	157.5400, -28.4240, -13.5120

Conversions

Conversions Part 2

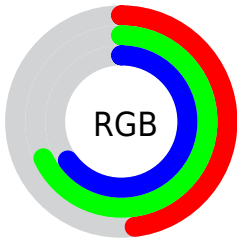
Format	Color
RYB	122, 150, 174
Decimal	8040102
CIELab	67.40, -18.88, -1.41
CIElCh	67, 18.929, 184.271
Yxy	37.1629, 0.2760, 0.3413
Android (android.graphics.Color)	4286230182 (0xFF7AAEA6)
YUV	157.5400, 4.1708, -31.1686
Hunter-Lab	60.9614, -18.7082, 2.1493

Details

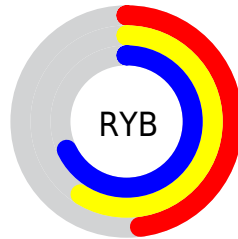
The XYZ color **30.0450, 37.1629, 41.6660** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.4456, 24.5304, 24.3561**, and the grayscale version is **32.2830, 33.9642, 36.9870**.

A 20% lighter version of the original color is **59.2525, 71.0442, 78.9966**, and **12.4732, 16.2292, 18.3947** is the 20% darker color. If you saturate the color by 10%, you get **27.5556, 35.9086, 40.2813**, and if you desaturate by 10%, it is **32.9828, 38.6497, 43.1000**.

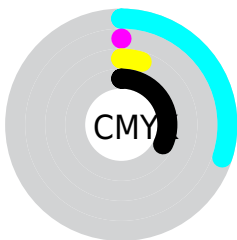
Distribution



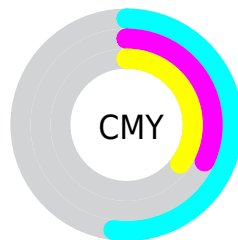
- Red (48%)
- Green (68%)
- Blue (65%)



- Red (48%)
- Yellow (59%)
- Blue (68%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (32%)



- Cyan (52%)
- Magenta (32%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0450, 37.1629, 41.6660 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 30.0450, 37.1629, 41.6660 by changing the saturation by 10% instead.

■ 30.0450, 37.1629,
41.6660

■ 30.0450, 37.1629,
41.6660

294.0202,
334.0152, 368.8552

■ 20.0210, 25.3336,
28.5162

■ 59.1195, 70.8233,
78.9585

■ 12.5187, 16.3258,
18.4727

■ 78.9006, 93.4231,
103.9383

■ 7.1726, 9.7550,
11.1170

■ 102.6649,
120.3820, 133.6986

■ 3.6176, 5.2368,
6.0304

130.7777,
152.0843, 168.6578

■ 1.4882, 2.3869,
2.7945

163.6042,
188.9144, 209.2345

■ 0.3178, 0.8191,
0.9907

201.5099,

■ 0.0000, 0.0000,

231.2566, 255.8473

0.0000

244.8601,
279.4955, 308.9147

■ 30.0450, 37.1629,
41.6660

■ 30.0450, 37.1629,
41.6660

■ 27.5556, 35.9086,
40.2813

■ 32.9828, 38.6497,
43.1000

■ 25.4878, 34.8701,
38.9420

■ 36.3876, 40.3756,
44.5820

■ 23.8170, 34.0357,
37.6477

■ 40.2808, 42.3528,
46.1138

■ 22.5144, 33.3906,
36.3968

■ 44.6817, 44.5911,
47.6965

■ 21.5477, 32.9180,
35.1878

■ 49.6084, 47.0998,
49.3312

■ 20.8786, 32.5982,
34.0185

■ 55.0780, 49.8878,
51.0188

■ 20.4259, 32.3895,
32.8851

■ 61.1071, 52.9636,
52.7602

■ 20.4210, 32.3872,
32.8723

■ 65.3917, 55.1395,
54.4477

■ 65.6820, 55.2556,
55.9762

Harmonies

Analogous

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



30.5303, 37.1629, 33.9159



30.0450, 37.1629, 41.6660



30.9089, 37.1629, 50.1462

Triad

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



30.0450, 37.1629, 41.6660



38.5584, 37.1629, 55.1584



37.8002, 37.1629, 27.7080

Complementary

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



30.0450, 37.1629, 41.6660



28.4456, 24.5304, 24.3561

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.



40.1368, 37.1629, 32.1160



30.0450, 37.1629, 41.6660



40.5910, 37.1629, 47.8052

Square

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



30.0450, 37.1629, 41.6660



35.7394, 37.1629, 58.5833



41.1838, 37.1629, 39.2855



34.9083, 37.1629, 26.5288

Rectangle

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



30.0450, 37.1629, 41.6660



32.1631, 37.1629, 54.8723



41.1838, 37.1629, 39.2855



38.6817, 37.1629, 28.8285

Sweetspot

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



30.0461, 37.1644, 41.6668



66.4832, 73.4792, 81.0626



27.9585, 36.4775, 23.9802



14.5660, 16.2247, 17.9300



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.



30.0461, 37.1644, 41.6668



51.3621, 65.8275, 73.8701



27.6678, 31.1961, 44.6094



8.1826, 9.0506, 9.9864



14.8285, 23.4967, 23.9344



0.4266, 0.6593, 0.7398

Inverse Universe

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



28.4456, 24.5304, 24.3561



47.9823, 39.1119, 37.2873



30.2506, 28.9669, 22.4097



8.0536, 8.0347, 8.5932



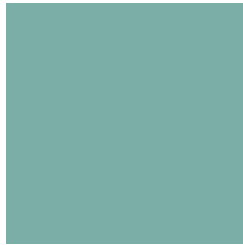
12.8168, 6.5893, 1.4150



0.3716, 0.1893, 0.1184

Previews

White Background



This preview shows how the XYZ color 30.0450, 37.1629, 41.6660 looks on a white background.

Color Contrast Check

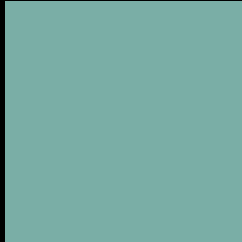
Large Text (above 18pt) WCAG AA × Fail

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 30.0450, 37.1629, 41.6660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

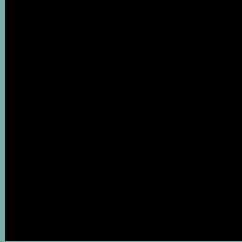
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0450, 37.1629, 41.6660

Background



This preview shows how black text looks on a background with the XYZ color 30.0450, 37.1629, 41.6660.

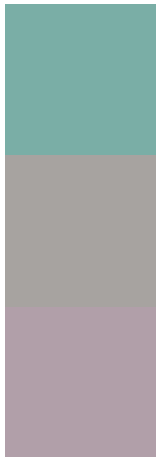


This preview shows how white text looks on a background with the XYZ color 30.0450, 37.1629,

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

30.0450, 37.1629, 41.6660

Protanopia

35.3787, 36.9479, 38.5247

Deuteranopia

37.6910, 37.0080, 42.6928



Tritanopia

31.9241, 37.0642, 51.3705

Trichromacy



Original Color

30.0450, 37.1629, 41.6660

Protanomaly

33.1028, 36.8254, 39.5457

Deuteranomaly

34.2480, 36.5462, 42.2948

Tritanomaly

31.2459, 37.0794, 47.6297

Monochromacy



Original Color

30.0450, 37.1629, 41.6660

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3855, 35.1439, 38.8475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0450, 37.1629, 41.6660 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(122, 174, 166)` looks like.

```
.text, #text, p{  
    color:rgb(122, 174, 166)  
}
```

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(122, 174, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 174, 166) }
```

Border

The CSS property to change the border of an element to XYZ 30.0450, 37.1629, 41.6660 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(122, 174, 166) }
```


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

```
.border{ border-color:rgb(122, 174, 166) }
```

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

Here you see how a box with a 4 pixel rgb(122, 174, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 174, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 174, 166);  
box-shadow:4px 4px 4px 4px rgb(122, 174,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0450, 37.1629, 41.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 174, 166) }
```

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

```
.background{ background-color: rgb(122,  
174, 166) }
```

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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