

Converting Colors

XYZ(30.6767, 36.5056, 46.7333)

Have a look what the booklet for
XYZ(30.6767, 36.5056, 46.7333)
contains.

XYZ(30.7116, 36.5455, 46.5096)	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(30.7116, 36.5455,
46.5096)**

Conversions

Conversions Part 1

Format	Color
Hex	7CABB0
RGB	124, 171, 176
RGB Percent	49%, 67%, 69%
CMY	0.5137, 0.3294, 0.3098
CMYK	0.30, 0.03, 0.00, 0.31
HSL	186°, 25%, 59%
HSV	186°, 30%, 69%
XYZ	30.7116, 36.5455, 46.5096
YIQ	157.5170, -29.6170, -8.4090

Conversions

Conversions Part 2

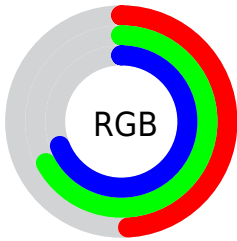
Format	Color
RYB	124, 149, 176
Decimal	8170416
CIELab	66.93, -14.37, -7.63
CIElCh	67, 16.274, 207.967
Yxy	36.5455, 0.2700, 0.3212
Android (android.graphics.Color)	4286360496 (0xFF7CABB0)
YUV	157.5170, 9.1121, -29.3944
Hunter-Lab	60.4529, -15.1100, -3.2979

Details

The XYZ color **30.7116, 36.5455, 46.5096** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.3934, 26.3862, 22.6135**, and the grayscale version is **32.2514, 33.9310, 36.9509**.

A 20% lighter version of the original color is **60.1219, 69.6839, 86.6255**, and **12.9826, 16.0654, 21.4855** is the 20% darker color. If you saturate the color by 10%, you get **28.0744, 34.7155, 46.2960**, and if you desaturate by 10%, it is **33.8090, 38.6206, 46.7475**.

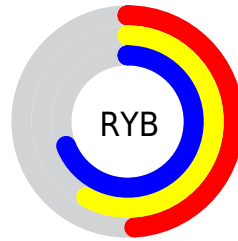
Distribution



Red (49%)

Green (67%)

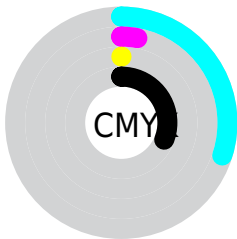
Blue (69%)



Red (49%)

Yellow (58%)

Blue (69%)

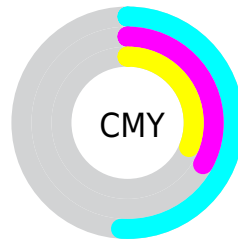


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (31%)



Cyan (51%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7116, 36.5455, 46.5096 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 30.7116, 36.5455, 46.5096 by changing the saturation by 10% instead.

■ 30.7116, 36.5455,
46.5096

■ 30.7116, 36.5455,
46.5096

297.0581,
331.3386, 389.1906

■ 20.5301, 24.8558,
32.2966

■ 60.1647, 69.8732,
86.3234

■ 12.8914, 15.9696,
21.3214

■ 80.1669, 92.2800,
112.7614

■ 7.4303, 9.5027,
13.1656

■ 104.1735,
119.0279, 144.1113

■ 3.7814, 5.0705,
7.4106

132.5497,
150.5014, 180.7918

■ 1.5792, 2.2887,
3.6379

165.6609,
187.0848, 223.2215

■ 0.3788, 0.7677,
1.4289

203.8725,

■ 0.0000, 0.0000,

229.1625, 271.8188

0.1641

247.5498,
277.1190, 327.0023

■ 0.0000, 0.0000,
0.0000

■ 30.7116, 36.5455,
46.5096

■ 30.7116, 36.5455,
46.5096

■ 28.0744, 34.7155,
46.2960

■ 33.8090, 38.6206,
46.7475

■ 25.8700, 33.1138,
46.1030

■ 37.3858, 40.9480,
47.0082

■ 24.0732, 31.7282,
45.9303

■ 41.4639, 43.5400,
47.2936

■ 22.6545, 30.5436,
45.7764

■ 46.0630, 46.4067,
47.6045

■ 21.5807, 29.5428,
45.6398

■ 51.2017, 49.5577,
47.9419

■ 20.8129, 28.7056,
45.5187

■ 56.8976, 53.0022,
48.3065

■ 20.2726, 27.9917,
45.4094

■ 63.1677, 56.7489,
48.6992

■ 20.2493, 27.9600,
45.4045

■ 66.3288, 58.8990,
48.9476

■ 66.6836, 59.6087,
49.0659

Harmonies

Analogous

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



30.2068, 36.5455, 39.3118



30.7116, 36.5455, 46.5096



32.2794, 36.5455, 52.4568

Triad

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



30.7116, 36.5455, 46.5096



38.9143, 36.5455, 47.4420



34.9040, 36.5455, 27.6996

Complementary

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



30.7116, 36.5455, 46.5096



29.3934, 26.3862, 22.6135

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.



37.3129, 36.5455, 29.3495



30.7116, 36.5455, 46.5096



39.6954, 36.5455, 40.2757

Square

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



30.7116, 36.5455, 46.5096



37.0080, 36.5455, 53.0384



39.0962, 36.5455, 33.7542



32.5578, 36.5455, 28.9578

Rectangle

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



30.7116, 36.5455, 46.5096



33.7558, 36.5455, 54.6139



39.0962, 36.5455, 33.7542



35.7338, 36.5455, 27.9280

Sweetspot

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



30.7127, 36.5470, 46.5104



68.0735, 74.4380, 85.2754



27.7566, 36.9038, 26.1984



14.5393, 15.9947, 18.4653



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.



30.7127, 36.5470, 46.5104



52.7019, 64.2166, 84.1127



26.3771, 27.8757, 45.0652



8.6715, 9.4891, 10.8809



14.8805, 20.5614, 33.3214



0.4883, 0.6871, 1.0551

Inverse Universe

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



32.4637, 26.5866, 41.9504



56.4033, 43.5528, 74.3861



33.1540, 33.9075, 23.8671



8.8141, 8.6324, 10.5196



17.7456, 8.6158, 24.8843



0.5685, 0.2751, 0.8363

Previews

White Background



This preview shows how the XYZ color 30.7116, 36.5455, 46.5096 looks on a white background.

Color Contrast Check

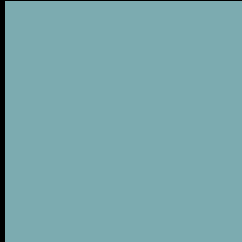
Large Text (above 18pt) WCAG AA × Fail

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 30.7116, 36.5455, 46.5096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

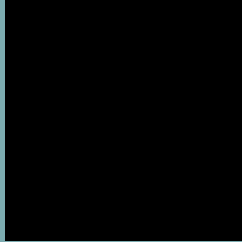
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7116, 36.5455, 46.5096

Background



This preview shows how black text looks on a background with the XYZ color 30.7116, 36.5455, 46.5096.



This preview shows how white text looks on a background with the XYZ color 30.7116, 36.5455,

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

30.7116, 36.5455, 46.5096

Protanopia

35.1048, 36.1785, 43.1631

Deuteranopia

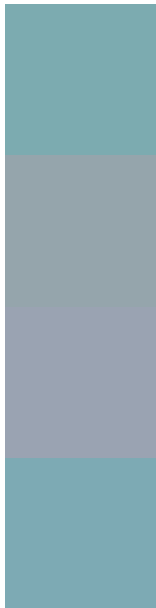
37.1581, 36.3663, 47.7088



Tritanopia

31.5262, 36.6040, 50.2034

Trichromacy



Original Color

30.7116, 36.5455, 46.5096

Protanomaly

33.2960, 36.2784, 44.2773

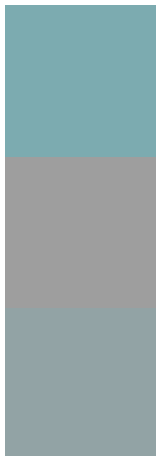
Deuteranomaly

34.4595, 36.2788, 47.3058

Tritanomaly

31.0704, 36.4047, 48.5692

Monochromacy



Original Color

30.7116, 36.5455, 46.5096

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7428, 35.0220, 40.6842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7116, 36.5455, 46.5096 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(124, 171, 176)` looks like.

```
.text, #text, p{  
    color:rgb(124, 171, 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(124, 171, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 171, 176) }
```

Border

The CSS property to change the border of an element to XYZ 30.7116, 36.5455, 46.5096 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(124, 171, 176) }
```


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

```
.border{ border-color:rgb(124, 171, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 171, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 171, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 171, 176);  
box-shadow:4px 4px 4px 4px rgb(124, 171,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7116, 36.5455, 46.5096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 171, 176) }
```

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

```
.background{ background-color: rgb(124,  
171, 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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