

Converting Colors

XYZ(30.0890, 35.9320, 46.0620)

Have a look what the booklet for
XYZ(30.0890, 35.9320, 46.0620)
contains.

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Color

**XYZ(30.1386, 35.9822,
45.9142)**

Conversions

Conversions Part 1

Format	Color
Hex	7AAAAF
RGB	122, 170, 175
RGB Percent	48%, 67%, 69%
CMY	0.5216, 0.3333, 0.3137
CMYK	0.30, 0.03, 0.00, 0.31
HSL	186°, 25%, 58%
HSV	186°, 30%, 69%
XYZ	30.1386, 35.9822, 45.9142
YIQ	156.2180, -30.2130, -8.6210

Conversions

Conversions Part 2

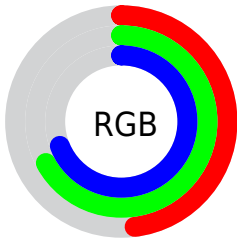
Format	Color
R_{YB}	122, 147, 175
Decimal	8039087
CIE _{Lab}	66.51, -14.67, -7.73
CIE _{LCh}	67, 16.584, 207.763
Yxy	35.9822, 0.2690, 0.3212
Android (android.graphics.Color)	4286229167 (0xFF7AAAF)
YUV	156.2180, 9.2595, -30.0092
Hunter-Lab	59.9852, -15.2895, -3.3925

Details

The XYZ color **30.1386, 35.9822, 45.9142** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.7818, 25.6980, 21.8563**, and the grayscale version is **31.6677, 33.3169, 36.2821**.

A 20% lighter version of the original color is **59.1126, 68.7937, 85.0259**, and **12.6521, 15.7265, 21.1076** is the 20% darker color. If you saturate the color by 10%, you get **27.5733, 34.2042, 45.7068**, and if you desaturate by 10%, it is **33.1562, 38.0009, 46.1454**.

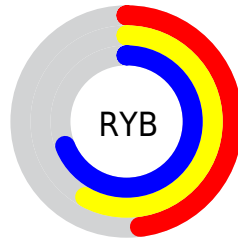
Distribution



Red (48%)

Green (67%)

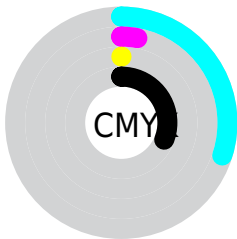
Blue (69%)



Red (48%)

Yellow (58%)

Blue (69%)

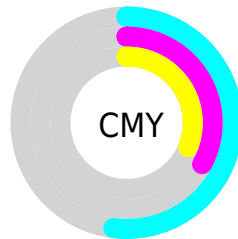


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (31%)



Cyan (52%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1386, 35.9822, 45.9142 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 30.1386, 35.9822, 45.9142 by changing the saturation by 10% instead.

■ 30.1386, 35.9822,
45.9142

■ 30.1386, 35.9822,
45.9142

294.4482,
328.8827, 386.7312

■ 20.0924, 24.4204,
31.8299

■ 59.2664, 69.0046,
85.4235

■ 12.5709, 15.6458,
20.9679

■ 79.0788, 91.2340,
111.6856

■ 7.2087, 9.2739,
12.9095

■ 102.8772,
117.7881, 142.8441

■ 3.6404, 4.9202,
7.2363

131.0271,
149.0513, 179.3176

■ 1.5008, 2.2005,
3.5296

163.8938,
185.4080, 221.5244

■ 0.3264, 0.7203,
1.3710

201.8426,

■ 0.0000, 0.0000,

227.2425, 269.8833

0.1190

245.2390,
274.9393, 324.8127

■ 0.0000, 0.0000,
0.0000

■ 30.1386, 35.9822,
45.9142

■ 30.1386, 35.9822,
45.9142

■ 27.5733, 34.2042,
45.7068

■ 33.1562, 38.0009,
46.1454

■ 25.4330, 32.6502,
45.5197

■ 36.6450, 40.2673,
46.3990

■ 23.6926, 31.3081,
45.3524

■ 40.6267, 42.7938,
46.6768

■ 22.3230, 30.1628,
45.2035

■ 45.1209, 45.5902,
46.9797

■ 21.2910, 29.1973,
45.0715

■ 50.1460, 48.6661,
47.3085

■ 20.5577, 28.3914,
44.9546

■ 55.7194, 52.0306,
47.6642

■ 20.0501, 27.7194,
44.8517

■ 61.8579, 55.6923,
48.0474

■ 65.9538, 58.3069,
48.3362

■ 66.2967, 58.9927,
48.4505

Harmonies

Analogous

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



29.6385, 35.9822, 38.6461



30.1386, 35.9822, 45.9142



31.7108, 35.9822, 51.9491

Triad

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



30.1386, 35.9822, 45.9142



38.4087, 35.9822, 46.9516



34.3871, 35.9822, 27.0196

Complementary

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



30.1386, 35.9822, 45.9142



28.7818, 25.6980, 21.8563

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.



36.8162, 35.9822, 28.6937



30.1386, 35.9822, 45.9142



39.2071, 35.9822, 39.7158

Square

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



30.1386, 35.9822, 45.9142



36.4775, 35.9822, 52.5973



38.6108, 35.9822, 33.1360



32.0194, 35.9822, 28.2613

Rectangle

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



30.1386, 35.9822, 45.9142



33.1959, 35.9822, 54.1532



38.6108, 35.9822, 33.1360



35.2241, 35.9822, 27.2552

Sweetspot

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



30.1397, 35.9836, 45.9150



66.3894, 72.6037, 83.1517



27.1495, 36.3153, 25.4592



14.5419, 15.9998, 18.4662



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.



30.1397, 35.9836, 45.9150



50.9747, 62.3769, 81.9902



25.7504, 27.2052, 44.4520



8.1708, 8.9410, 10.2478



14.3826, 19.8990, 32.1274



0.4184, 0.5902, 0.8998

Inverse Universe

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



31.8953, 25.9361, 41.3570



54.6447, 41.7769, 72.3712



32.5703, 33.2750, 23.1191



8.3040, 8.1349, 9.9118



17.1233, 8.3119, 24.0925



0.4856, 0.2349, 0.7189

Previews

White Background



This preview shows how the XYZ color 30.1386, 35.9822, 45.9142 looks on a white background.

Color Contrast Check

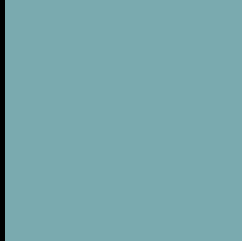
Large Text (above 18pt) WCAG AA × Fail

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 30.1386, 35.9822, 45.9142 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

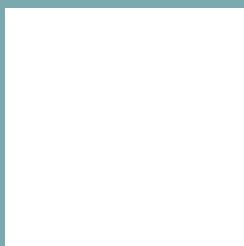
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1386, 35.9822, 45.9142

Background



This preview shows how black text looks on a background with the XYZ color 30.1386, 35.9822, 45.9142.



This preview shows how white text looks on a background with the XYZ color 30.1386, 35.9822,

45.9142.

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

30.1386, 35.9822, 45.9142

Protanopia

34.6325, 35.6876, 42.5992

Deuteranopia

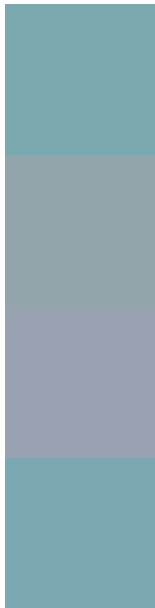
36.4550, 35.7633, 47.1011



Tritanopia

30.9436, 36.0384, 49.5812

Trichromacy



Original Color

30.1386, 35.9822, 45.9142

Protanomaly

32.6588, 35.6942, 43.6965

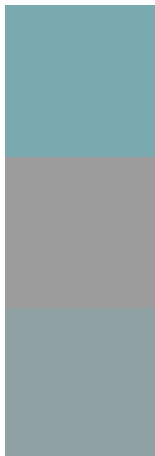
Deuteranomaly

33.8050, 35.6904, 46.7022

Tritanomaly

30.4930, 35.8416, 47.9588

Monochromacy



Original Color

30.1386, 35.9822, 45.9142

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.8573, 34.0634, 39.5989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1386, 35.9822, 45.9142 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, 170, 175)` looks like.

```
.text, #text, p{  
    color:rgb(122, 170, 175)  
}
```

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, 170, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 170, 175) }
```

Border

The CSS property to change the border of an element to XYZ 30.1386, 35.9822, 45.9142 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, 170, 175) }
```


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

```
.border{ border-color:rgb(122, 170, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 170, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 170, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 170, 175);  
box-shadow:4px 4px 4px 4px rgb(122, 170,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1386, 35.9822, 45.9142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 170, 175) }
```

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

```
.background{ background-color: rgb(122,  
170, 175) }
```

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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