

Converting Colors

XYZ(30.9029, 35.8289, 51.3985)

Have a look what the booklet for
XYZ(30.9029, 35.8289, 51.3985)
contains.

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Color

**XYZ(30.7856, 35.6456,
51.1567)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA8B9
RGB	122, 168, 185
RGB Percent	48%, 66%, 73%
CMY	0.5216, 0.3412, 0.2745
CMYK	0.34, 0.09, 0.00, 0.27
HSL	196°, 31%, 60%
HSV	196°, 34%, 73%
XYZ	30.7856, 35.6456, 51.1567
YIQ	156.1840, -32.8730, -4.4650

Conversions

Conversions Part 2

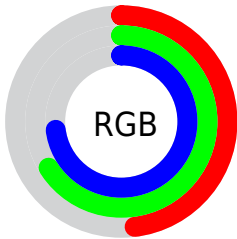
Format	Color
R _Y B	122, 149, 185
Decimal	8038585
CIE Lab	66.25, -11.14, -13.67
CIE LCh	66, 17.637, 230.831
Yxy	35.6456, 0.2618, 0.3031
Android (android.graphics.Color)	4286228665 (0xFF7AA8B9)
YUV	156.1840, 14.2063, -29.9794
Hunter-Lab	59.7039, -12.4406, -9.0093

Details

The XYZ color **30.7856, 35.6456, 51.1567** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.7536, 30.1851, 22.5132**, and the grayscale version is **31.6320, 33.2793, 36.2412**.

A 20% lighter version of the original color is **60.1694, 68.3563, 93.2419**, and **12.9360, 15.4588, 24.1318** is the 20% darker color. If you saturate the color by 10%, you get **27.5076, 32.6147, 50.7450**, and if you desaturate by 10%, it is **34.5998, 39.0072, 51.6051**.

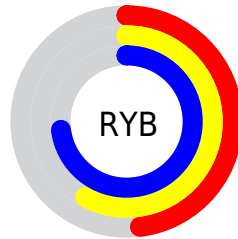
Distribution



Red (48%)

Green (66%)

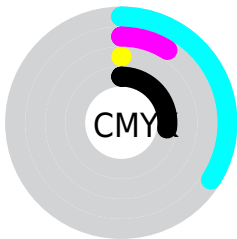
Blue (73%)



Red (48%)

Yellow (58%)

Blue (73%)

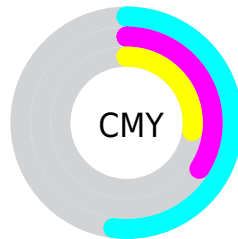


Cyan (34%)

Magenta (9%)

Yellow (0%)

Black (27%)



Cyan (52%)

Magenta (34%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7856, 35.6456, 51.1567 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 30.7856, 35.6456, 51.1567 by changing the saturation by 10% instead.

■ 30.7856, 35.6456,
51.1567

■ 30.7856, 35.6456,
51.1567

297.3939,
327.4089, 408.0362

■ 20.5867, 24.1606,
35.9557

■ 60.2805, 68.4847,
93.3002

■ 12.9329, 15.4528,
24.1106

■ 80.3072, 90.6076,
121.0799

■ 7.4591, 9.1378,
15.2027

■ 104.3405,
117.0453, 153.8895

■ 3.7997, 4.8312,
8.8136

132.7458,
148.1821, 192.1477

■ 1.5894, 2.1485,
4.5246

165.8884,
184.4025, 236.2729

■ 0.3855, 0.6917,
1.9173

204.1337,

■ 0.0000, 0.0000,

226.0908, 286.6837

0.5037

247.8471,
273.6315, 343.7986

■ 0.0000, 0.0000,
0.0000

■ 30.7856, 35.6456,
51.1567

■ 30.7856, 35.6456,
51.1567

■ 27.5076, 32.6147,
50.7450

■ 34.5998, 39.0072,
51.6051

■ 24.7338, 29.8947,
50.3662

■ 38.9734, 42.7094,
52.0892

■ 22.4337, 27.4703,
50.0195

■ 43.9323, 46.7670,
52.6111

■ 20.5717, 25.3225,
49.7031

■ 49.4996, 51.1925,
53.1718

■ 19.1073, 23.4298,
49.4149

■ 55.6971, 55.9976,
53.7727

■ 17.9912, 21.7662,
49.1527

■ 62.5458, 61.1937,
54.4146

■ 17.4329, 20.8544,
49.0061

■ 70.0652, 66.7914,
55.0988

■ 72.5374, 69.8435,
55.5576

■ 73.7732, 72.3151,
55.9695

Harmonies

Analogous

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



29.3704, 35.6456, 44.1929



30.7856, 35.6456, 51.1567



33.0807, 35.6456, 54.9357

Triad

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



30.7856, 35.6456, 51.1567



39.1212, 35.6456, 41.1657



32.1135, 35.6456, 26.7894

Complementary

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



30.7856, 35.6456, 51.1567



32.7536, 30.1851, 22.5132

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.



34.6922, 35.6456, 26.1990



30.7856, 35.6456, 51.1567



38.8292, 35.6456, 33.8866

Square

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



30.7856, 35.6456, 51.1567



37.9535, 35.6456, 48.6961



37.1753, 35.6456, 28.6325



30.1091, 35.6456, 30.3650

Rectangle

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



30.7856, 35.6456, 51.1567



34.8392, 35.6456, 54.8439



37.1753, 35.6456, 28.6325



32.9388, 35.6456, 26.2552

Sweetspot

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



30.7867, 35.6470, 51.1575



73.1276, 79.2408, 93.6454



30.0214, 40.6945, 30.6229



15.5038, 16.8679, 20.1603



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.7867, 35.6470, 51.1575



50.5806, 59.6541, 91.0531



25.6869, 25.4474, 49.4576



9.0562, 9.7896, 11.4917



11.9328, 14.3252, 33.3892



0.4689, 0.6016, 1.1931

Inverse Universe

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



34.0359, 27.0614, 40.4768



57.4543, 42.4609, 68.2404



37.9522, 40.5823, 24.2461



9.2747, 9.1203, 10.7940



16.6368, 8.2285, 16.5059



0.6109, 0.2998, 0.7102

Previews

White Background



This preview shows how the XYZ color 30.7856, 35.6456, 51.1567 looks on a white background.

Color Contrast Check

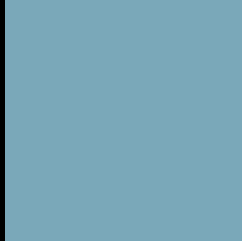
Large Text (above 18pt) WCAG AA × Fail

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 30.7856, 35.6456, 51.1567 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

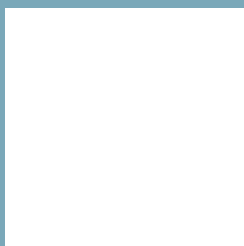
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7856, 35.6456, 51.1567

Background



This preview shows how black text looks on a background with the XYZ color 30.7856, 35.6456, 51.1567.



This preview shows how white text looks on a background with the XYZ color 30.7856, 35.6456,

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

30.7856, 35.6456, 51.1567

Protanopia

34.6354, 35.3200, 47.6398

Deuteranopia

36.1309, 35.4883, 51.9593



Tritanopia

30.3313, 35.4476, 49.4994

Trichromacy



Original Color

30.7856, 35.6456, 51.1567

Protanomaly

32.9379, 35.1966, 48.7737

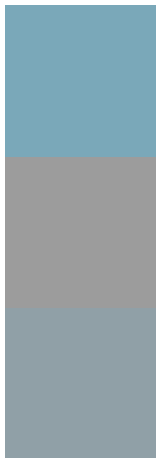
Deuteranomaly

33.8205, 35.3308, 51.4914

Tritanomaly

30.4350, 35.4891, 50.0457

Monochromacy



Original Color

30.7856, 35.6456, 51.1567

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.0475, 33.8609, 41.4587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7856, 35.6456, 51.1567 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, 168, 185)` looks like.

```
.text, #text, p{  
    color:rgb(122, 168, 185)  
}
```

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, 168, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 168, 185) }
```

Border

The CSS property to change the border of an element to XYZ 30.7856, 35.6456, 51.1567 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, 168, 185) }
```


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

```
.border{ border-color:rgb(122, 168, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 168, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 168, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 168, 185);  
box-shadow:4px 4px 4px 4px rgb(122, 168,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7856, 35.6456, 51.1567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 168, 185) }
```

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

```
.background{ background-color: rgb(122,  
168, 185) }
```

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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