

Converting Colors

XYZ(30.9296, 35.9030, 53.1267)

Have a look what the booklet for
XYZ(30.9296, 35.9030, 53.1267)
contains.

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Color

**XYZ(30.8728, 35.9287,
52.8847)**

Conversions

Conversions Part 1

Format	Color
Hex	77A9BC
RGB	119, 169, 188
RGB Percent	47%, 66%, 74%
CMY	0.5333, 0.3372, 0.2627
CMYK	0.37, 0.10, 0.00, 0.26
HSL	197°, 34%, 60%
HSV	197°, 37%, 74%
XYZ	30.8728, 35.9287, 52.8847
YIQ	156.2160, -35.8990, -4.6910

Conversions

Conversions Part 2

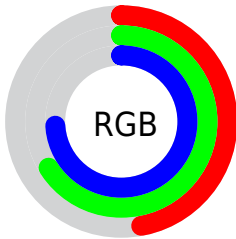
Format	Color
RYB	119, 148, 188
Decimal	7842236
CIELab	66.47, -11.75, -15.03
CIElCh	66, 19.080, 231.979
Yxy	35.9287, 0.2579, 0.3002
Android (android.graphics.Color)	4286032316 (0xFF77A9BC)
YUV	156.2160, 15.6695, -32.6384
Hunter-Lab	59.9406, -12.9583, -10.3523

Details

The XYZ color **30.8728, 35.9287, 52.8847** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.1579, 30.2007, 21.5354**, and the grayscale version is **31.6409, 33.2887, 36.2514**.

A 20% lighter version of the original color is **60.2184, 68.7272, 95.6798**, and **12.9812, 15.6301, 25.2544** is the 20% darker color. If you saturate the color by 10%, you get **27.5997, 32.8407, 52.4618**, and if you desaturate by 10%, it is **34.6966, 39.3589, 53.3459**.

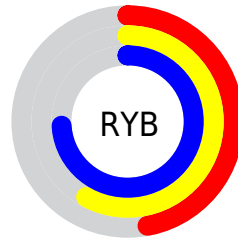
Distribution



Red (47%)

Green (66%)

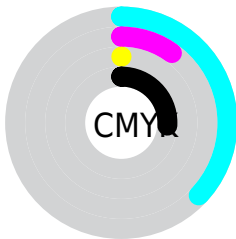
Blue (74%)



Red (47%)

Yellow (58%)

Blue (74%)

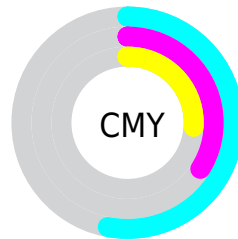


Cyan (37%)

Magenta (10%)

Yellow (0%)

Black (26%)



Cyan (53%)

Magenta (34%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8728, 35.9287, 52.8847 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 30.8728, 35.9287, 52.8847 by changing the saturation by 10% instead.

■ 30.8728, 35.9287,
52.8847

■ 30.8728, 35.9287,
52.8847

297.7892,
328.6488, 414.8963

■ 20.6534, 24.3791,
37.3236

■ 60.4170, 68.9220,
95.8745

■ 12.9819, 15.6151,
25.1604

■ 80.4724, 91.1345,
124.1403

■ 7.4930, 9.2522,
15.9765

■ 104.5372,
117.6702, 157.4782

■ 3.8213, 4.9061,
9.3534

132.9767,
148.9133, 196.3066

■ 1.6016, 2.1922,
4.8724

166.1563,
185.2483, 241.0440

■ 0.3934, 0.7158,
2.1152

204.4414,

■ 0.0000, 0.0000,

227.0597, 292.1091

0.6248

248.1972,
274.7317, 349.9204

■ 0.0000, 0.0000,
0.0000

■ 30.8728, 35.9287,
52.8847

■ 30.8728, 35.9287,
52.8847

■ 27.5997, 32.8407,
52.4618

■ 34.6966, 39.3589,
53.3459

■ 24.8432, 30.0742,
52.0731

■ 39.0961, 43.1422,
53.8443

■ 22.5708, 27.6125,
51.7177

■ 44.0984, 47.2942,
54.3820

■ 20.7441, 25.4352,
51.3937

■ 49.7280, 51.8281,
54.9604

■ 19.3188, 23.5188,
51.0989

■ 56.0082, 56.7564,
55.5807

■ 18.2354, 21.8319,
50.8304

■ 62.9608, 62.0910,
56.2439

■ 17.9147, 21.3059,
50.7458

■ 70.6066, 67.8433,
56.9513

■ 73.4663, 71.1891,
57.4463

■ 74.7684, 73.7933,
57.8804

Harmonies

Analogous

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



29.2994, 35.9287, 45.3155



30.8728, 35.9287, 52.8847



33.3876, 35.9287, 56.8789

Triad

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



30.8728, 35.9287, 52.8847



39.8889, 35.9287, 41.3591



32.1321, 35.9287, 26.2580

Complementary

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



30.8728, 35.9287, 52.8847



33.1579, 30.2007, 21.5354

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.



34.9222, 35.9287, 25.5060



30.8728, 35.9287, 52.8847



39.5065, 35.9287, 33.5170

Square

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



30.8728, 35.9287, 52.8847



38.6670, 35.9287, 49.6445



37.6495, 35.9287, 27.9789



29.9977, 35.9287, 30.1995

Rectangle

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



30.8728, 35.9287, 52.8847



35.3033, 35.9287, 56.6368



37.6495, 35.9287, 27.9789



33.0205, 35.9287, 25.6483

Sweetspot

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



30.8739, 35.9301, 52.8855



75.7220, 82.2580, 98.1126



30.1359, 41.7068, 30.2804



16.0204, 17.4705, 21.0704



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.8739, 35.9301, 52.8855



51.1186, 60.5796, 95.2250



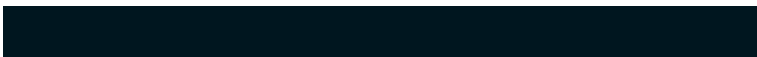
25.3637, 24.9096, 51.0488



9.5804, 10.3532, 12.1656



12.2618, 14.6354, 34.5715



0.5323, 0.6773, 1.3715

Inverse Universe

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



34.4982, 26.7505, 40.8827



58.8287, 42.2065, 69.4321



38.8030, 41.4911, 23.4171



9.8148, 9.6502, 11.4139



17.1900, 8.5071, 16.8258



0.6996, 0.3437, 0.7974

Previews

White Background



This preview shows how the XYZ color 30.8728, 35.9287, 52.8847 looks on a white background.

Color Contrast Check

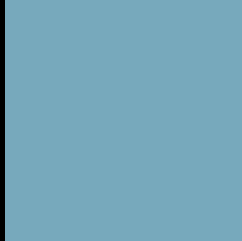
Large Text (above 18pt) WCAG AA × Fail

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 30.8728, 35.9287, 52.8847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

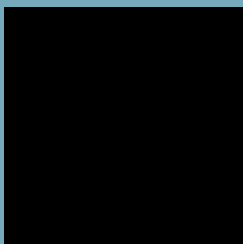
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

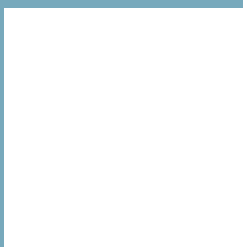
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8728, 35.9287, 52.8847

Background



This preview shows how black text looks on a background with the XYZ color 30.8728, 35.9287, 52.8847.



This preview shows how white text looks on a background with the XYZ color 30.8728, 35.9287,

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

30.8728, 35.9287, 52.8847

Protanopia

35.1149, 35.7881, 49.3130

Deuteranopia

36.2515, 35.5130, 53.6592



Tritanopia

30.3932, 36.0199, 50.1504

Trichromacy



Original Color

30.8728, 35.9287, 52.8847

Protanomaly

33.2505, 35.5844, 50.4634

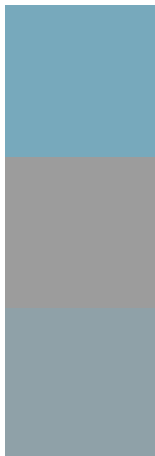
Deuteranomaly

33.7842, 35.2749, 53.1722

Tritanomaly

30.6029, 36.1038, 51.2547

Monochromacy



Original Color

30.8728, 35.9287, 52.8847

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.1404, 34.1565, 41.9974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8728, 35.9287, 52.8847 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, 169, 188)` looks like.

```
.text, #text, p{  
    color:rgb(119, 169, 188)  
}
```

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, 169, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 169, 188) }
```

Border

The CSS property to change the border of an element to XYZ 30.8728, 35.9287, 52.8847 is called "border". The border property can be set on classes, ids or directly on the HTML element.

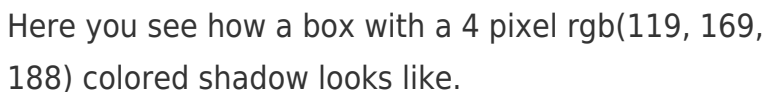
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 169, 188) }
```


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

```
.border{ border-color:rgb(119, 169, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 169, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 169, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 169, 188); box-shadow:4px 4px 4px 4px rgb(119, 169, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8728, 35.9287, 52.8847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 169, 188) }
```

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

```
.background{ background-color: rgb(119,  
169, 188) }
```

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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