

Converting Colors

XYZ(32.7491, 36.0356, 46.0630)

Have a look what the booklet for
XYZ(32.7491, 36.0356, 46.0630)
contains.

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Color

**XYZ(32.7932, 35.9741,
46.2896)**

Conversions

Conversions Part 1

Format	Color
Hex	90A5B0
RGB	144, 165, 176
RGB Percent	56%, 65%, 69%
CMY	0.4353, 0.3529, 0.3098
CMYK	0.18, 0.06, 0.00, 0.31
HSL	201°, 17%, 63%
HSV	201°, 18%, 69%
XYZ	32.7932, 35.9741, 46.2896
YIQ	159.9750, -16.0470, -1.0310

Conversions

Conversions Part 2

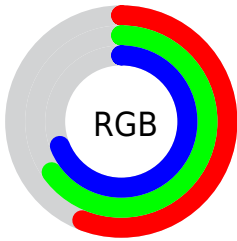
Format	Color
RYB	144, 157, 176
Decimal	9479600
CIELab	66.50, -4.92, -8.14
CIELCh	67, 9.513, 238.871
Yxy	35.9741, 0.2850, 0.3127
Android (android.graphics.Color)	4287669680 (0xFF90A5B0)
YUV	159.9750, 7.9003, -14.0101
Hunter-Lab	59.9784, -7.3673, -3.7734

Details

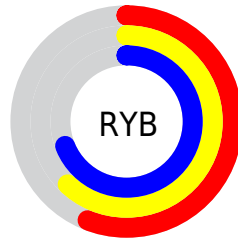
The XYZ color **32.7932, 35.9741, 46.2896** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.6602, 34.6865, 31.2547**, and the grayscale version is **33.3730, 35.1109, 38.2358**.

A 20% lighter version of the original color is **63.4474, 69.0184, 86.3218**, and **14.0574, 15.5926, 21.3376** is the 20% darker color. If you saturate the color by 10%, you get **28.8904, 32.3815, 45.8024**, and if you desaturate by 10%, it is **37.2290, 39.9200, 46.8180**.

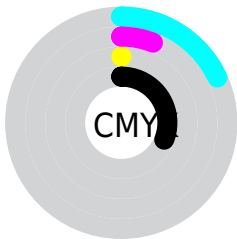
Distribution



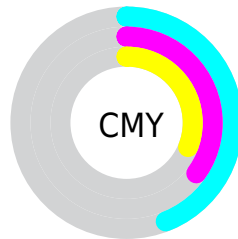
- Red (56%)
- Green (65%)
- Blue (69%)



- Red (56%)
- Yellow (62%)
- Blue (69%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)



- Cyan (44%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7932, 35.9741, 46.2896 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 32.7932, 35.9741, 46.2896 by changing the saturation by 10% instead.

■ 32.7932, 35.9741,
46.2896

■ 32.7932, 35.9741,
46.2896

306.3983,
328.8473, 388.2831

■ 22.1265, 24.4142,
32.1241

■ 63.4094, 68.9921,
85.9911

■ 14.0670, 15.6412,
21.1907

■ 84.0896, 91.2190,
112.3642

■ 8.2493, 9.2706,
13.0709

108.8384,
117.7703, 143.6435

■ 4.3080, 4.9181,
7.3461

138.0211,
149.0304, 180.2476

■ 1.8778, 2.1993,
3.5977

172.0031,
185.3838, 222.5951

■ 0.5639, 0.7196,
1.4074

211.1497,

■ 0.0000, 0.0000,

227.2148, 271.1045

0.1475

255.8264,
274.9079, 326.1943

■ 0.0000, 0.0000,
0.0000

■ 32.7932, 35.9741,
46.2896

■ 32.7932, 35.9741,
46.2896

■ 28.8904, 32.3815,
45.8024

■ 37.2290, 39.9200,
46.8180

■ 25.4947, 29.1248,
45.3528

■ 42.2159, 44.2268,
47.3865

■ 22.5823, 26.1919,
44.9402

■ 47.7753, 48.9073,
47.9969

■ 20.1266, 23.5677,
44.5631

■ 53.9262, 53.9724,
48.6504

■ 18.0979, 21.2361,
44.2200

■ 60.6869, 59.4324,
49.3479

■ 16.4628, 19.1785,
43.9090

■ 68.0747, 65.2973,
50.0906

■ 15.1826, 17.3737,
43.6281

■ 71.4734, 69.1882,
50.6625

■ 14.1928, 15.7875,
43.3741

■ 72.9703, 72.1821,
51.1615

■ 14.0258, 15.5131,
43.3300

■ 74.5241, 75.2897,
51.6794

Harmonies

Analogous

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



31.8451, 35.9741, 43.0882



32.7932, 35.9741, 46.2896



34.1383, 35.9741, 47.5644

Triad

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



32.7932, 35.9741, 46.2896



37.0100, 35.9741, 39.3247



32.8843, 35.9741, 32.6826

Complementary

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



32.7932, 35.9741, 46.2896



34.6602, 34.6865, 31.2547

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.



34.2464, 35.9741, 31.8258



32.7932, 35.9741, 46.2896



36.6521, 35.9741, 35.4962

Square

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



32.7932, 35.9741, 46.2896



36.5955, 35.9741, 43.3746



35.6306, 35.9741, 32.8201



31.8967, 35.9741, 35.2457

Rectangle

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



32.7932, 35.9741, 46.2896



35.0876, 35.9741, 47.0869



35.6306, 35.9741, 32.8201



33.3124, 35.9741, 32.1938

Sweetspot

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



32.7943, 35.9756, 46.2904



70.2095, 74.7460, 85.2223



32.9161, 39.3360, 36.7223



15.0847, 16.0849, 18.4540



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.



32.7943, 35.9756, 46.2904



56.3858, 62.4306, 83.5738



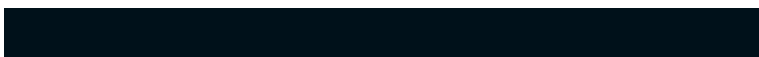
30.1391, 30.6652, 45.4053



8.4919, 9.1299, 10.8210



10.3469, 11.4942, 31.8102



0.3773, 0.4651, 1.0181

Inverse Universe

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



34.6701, 31.8941, 39.9278



60.4972, 53.7455, 69.5701



37.4392, 40.2444, 32.1810



8.7235, 8.5961, 10.0422



15.4573, 7.7005, 12.8340



0.5125, 0.2527, 0.5413

Previews

White Background



This preview shows how the XYZ color 32.7932, 35.9741, 46.2896 looks on a white background.

Color Contrast Check

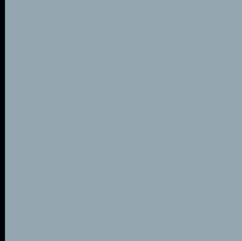
Large Text (above 18pt) WCAG AA × Fail

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 32.7932, 35.9741, 46.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

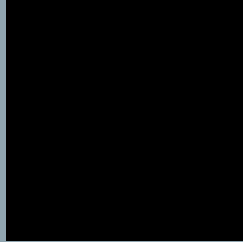
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

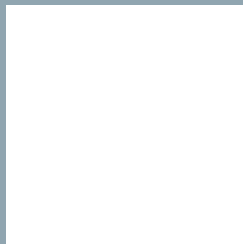
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7932, 35.9741, 46.2896

Background



This preview shows how black text looks on a background with the XYZ color 32.7932, 35.9741, 46.2896.



This preview shows how white text looks on a background with the XYZ color 32.7932, 35.9741,

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

32.7932, 35.9741, 46.2896

Protanopia

34.8116, 35.7358, 44.5981

Deuteranopia

36.6704, 35.8743, 47.1112



Tritanopia

32.9926, 36.0539, 47.3397

Trichromacy



Original Color

32.7932, 35.9741, 46.2896

Protanomaly

34.0779, 35.8652, 45.1710

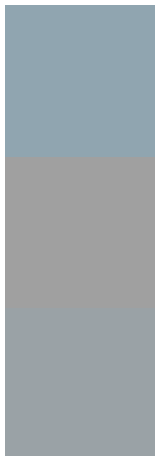
Deuteranomaly

35.2046, 35.8930, 46.6675

Tritanomaly

32.8925, 36.0139, 46.8127

Monochromacy



Original Color

32.7932, 35.9741, 46.2896

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.1297, 35.4639, 41.1755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7932, 35.9741, 46.2896 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(144, 165, 176)` looks like.

```
.text, #text, p{  
    color:rgb(144, 165, 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(144, 165, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 165, 176) }
```

Border

The CSS property to change the border of an element to XYZ 32.7932, 35.9741, 46.2896 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(144, 165, 176) }
```


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

```
.border{ border-color:rgb(144, 165, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 165, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 165, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 165, 176);  
box-shadow:4px 4px 4px 4px rgb(144, 165,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7932, 35.9741, 46.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 165, 176) }
```

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

```
.background{ background-color: rgb(144,  
165, 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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