

Converting Colors

XYZ(32.2929, 30.7023, 70.1907)

Have a look what the booklet for
XYZ(32.2929, 30.7023, 70.1907)
contains.

XYZ(32.1640, 30.6230, 69.8612)	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(32.1640, 30.6230,
69.8612)**

Conversions

Conversions Part 1

Format	Color
Hex	8293D9
RGB	130, 147, 217
RGB Percent	51%, 58%, 85%
CMY	0.4902, 0.4235, 0.1490
CMYK	0.40, 0.32, 0.00, 0.15
HSL	228°, 53%, 68%
HSV	228°, 40%, 85%
XYZ	32.1640, 30.6230, 69.8612
YIQ	149.8970, -32.6020, 18.1660

Conversions

Conversions Part 2

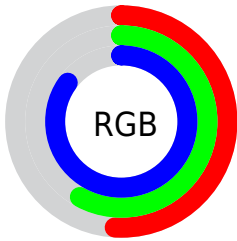
Format	Color
RYB	130, 144, 217
Decimal	8557529
CIELab	62.19, 11.41, -37.69
CIElCh	62, 39.382, 286.843
Yxy	30.6230, 0.2425, 0.2309
Android (android.graphics.Color)	4286747609 (0xFF8293D9)
YUV	149.8970, 33.0818, -17.4497
Hunter-Lab	55.3381, 6.9075, -36.1137

Details

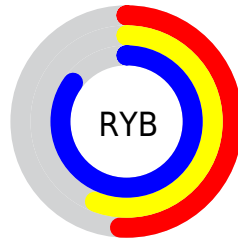
The XYZ color **32.1640, 30.6230, 69.8612** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.2998, 57.6731, 29.4432**, and the grayscale version is **28.8208, 30.3217, 33.0204**.

A 20% lighter version of the original color is **59.1863, 59.4324, 102.9599**, and **13.7768, 12.6945, 35.9066** is the 20% darker color. If you saturate the color by 10%, you get **26.6677, 24.0608, 68.8848**, and if you desaturate by 10%, it is **38.7764, 38.3734, 71.0092**.

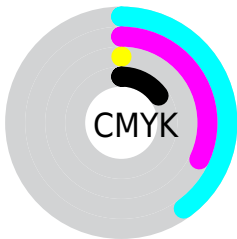
Distribution



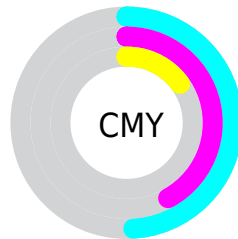
- Red (51%)
- Green (58%)
- Blue (85%)



- Red (51%)
- Yellow (56%)
- Blue (85%)



- Cyan (40%)
- Magenta (32%)
- Yellow (0%)
- Black (15%)



- Cyan (49%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1640, 30.6230, 69.8612 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 32.1640, 30.6230, 69.8612 by changing the saturation by 10% instead.

■ 32.1640, 30.6230,
69.8612

■ 32.1640, 30.6230,
69.8612

303.5977,
304.7977, 478.8385

■ 21.6429, 20.3119,
50.9373

■ 62.4316, 60.6460,
120.6901

■ 13.7099, 12.6220,
35.7823

■ 82.9088, 81.1268,
153.4321

■ 7.9995, 7.1688,
23.9778

■ 107.4354,
105.7662, 191.6172

■ 4.1465, 3.5679,
15.1051

136.3769,
134.9488, 235.6640

■ 1.7853, 1.4349,
8.7457

170.0985,
169.0588, 285.9910

■ 0.5088, 0.2422,
4.4812

208.9656,

■ 0.0000, 0.0000,

208.4807, 343.0167

1.8928

253.3435,
253.5989, 407.1597

■ 0.0000, 0.0000,
0.4882

■ 0.0000, 0.0000,
0.0000

■ 32.1640, 30.6230,
69.8612

■ 32.1640, 30.6230,
69.8612

■ 26.6677, 24.0608,
68.8848

■ 38.7764, 38.3734,
71.0092

■ 22.2213, 18.6236,
68.0697

■ 46.5596, 47.3643,
72.3344

■ 18.7564, 14.2469,
67.4075

■ 55.5686, 57.6488,
73.8447

■ 16.1946, 10.8583,
66.8885

■ 65.8538, 69.2760,
75.5469

■ 14.4448, 8.3754,
66.5015

■ 77.4629, 82.2923,
77.4474

■ 13.3667, 6.6943,
66.2338

■ 88.5003, 95.7415,
79.4617

■ 89.5245, 97.7898,
79.8030

Harmonies

Analogous

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



26.8449, 30.6230, 70.6608



32.1640, 30.6230, 69.8612



37.2022, 30.6230, 57.5914

Triad

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



32.1640, 30.6230, 69.8612



36.6582, 30.6230, 16.2462



20.2581, 30.6230, 27.1242

Complementary

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



32.1640, 30.6230, 69.8612



53.2998, 57.6731, 29.4432

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.



22.2793, 30.6230, 17.0832



32.1640, 30.6230, 69.8612



31.4911, 30.6230, 12.2150

Square

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



32.1640, 30.6230, 69.8612



40.0051, 30.6230, 25.5725



26.2487, 30.6230, 12.4658



20.3918, 30.6230, 42.5475

Rectangle

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



32.1640, 30.6230, 69.8612



39.5318, 30.6230, 46.2057



26.2487, 30.6230, 12.4658



20.6966, 30.6230, 23.1212

Sweetspot

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



32.1651, 30.6241, 69.8619



77.3170, 79.9361, 105.9619



44.3983, 58.5237, 63.3558



16.1709, 16.6790, 22.6170



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.1651, 30.6241, 69.8619



39.6351, 36.1246, 99.4915



34.2378, 28.0542, 69.2566



12.5436, 13.0270, 16.5055



8.1502, 4.1699, 40.1137



0.5885, 0.3912, 2.6189

Inverse Universe

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



41.8653, 32.8248, 31.7341



55.6174, 40.3436, 36.5379



50.3037, 62.3015, 30.4945



13.1595, 13.0929, 14.1013



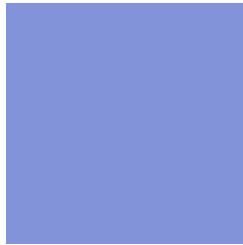
17.6092, 9.0447, 2.3221



1.1713, 0.5982, 0.3113

Previews

White Background



This preview shows how the XYZ color 32.1640, 30.6230, 69.8612 looks on a white background.

Color Contrast Check

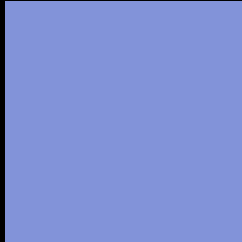
Large Text (above 18pt) WCAG AA × Fail

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 32.1640, 30.6230, 69.8612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

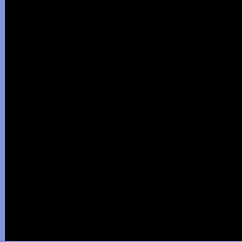
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.1640, 30.6230, 69.8612

Background



This preview shows how black text looks on a background with the XYZ color 32.1640, 30.6230, 69.8612.



This preview shows how white text looks on a background with the XYZ color 32.1640, 30.6230,

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

32.1640, 30.6230, 69.8612

Protanopia

31.9972, 30.7538, 70.5793

Deuteranopia

31.5840, 30.7897, 69.9240



Tritanopia

26.5211, 30.4931, 42.0241

Trichromacy



Original Color

32.1640, 30.6230, 69.8612

Protanomaly

32.1469, 30.8310, 70.5863

Deuteranomaly

31.7185, 30.6252, 69.8851

Tritanomaly

28.2802, 30.4652, 50.8442

Monochromacy



Original Color

32.1640, 30.6230, 69.8612

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.7151, 30.3905, 44.3442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1640, 30.6230, 69.8612 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(130, 147, 217)` looks like.

```
.text, #text, p{  
    color:rgb(130, 147, 217)  
}
```

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(130, 147, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 147, 217) }
```

Border

The CSS property to change the border of an element to XYZ 32.1640, 30.6230, 69.8612 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(130, 147, 217) }
```


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

```
.border{ border-color:rgb(130, 147, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 147, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 147, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 147, 217);  
box-shadow:4px 4px 4px 4px rgb(130, 147,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1640, 30.6230, 69.8612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 147, 217) }
```

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

```
.background{ background-color: rgb(130,  
147, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor