

Converting Colors

XYZ(30.9620, 29.5456, 69.7166)

Have a look what the booklet for
XYZ(30.9620, 29.5456, 69.7166)
contains.

XYZ(30.9620, 29.5456, 69.7166)	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(30.9620, 29.5456,
69.7166)**

Conversions

Conversions Part 1

Format	Color
Hex	7C91D9
RGB	124, 145, 217
RGB Percent	49%, 57%, 85%
CMY	0.5137, 0.4314, 0.1490
CMYK	0.43, 0.33, 0.00, 0.15
HSL	226°, 55%, 67%
HSV	226°, 43%, 85%
XYZ	30.9620, 29.5456, 69.7166
YIQ	146.9290, -35.6280, 17.9400

Conversions

Conversions Part 2

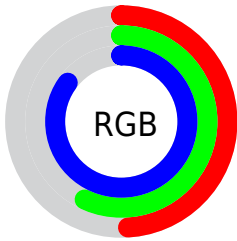
Format	Color
RYB	124, 141, 217
Decimal	8163801
CIELab	61.26, 11.02, -39.17
CIELCh	61, 40.693, 285.705
Yxy	29.5456, 0.2378, 0.2269
Android (android.graphics.Color)	4286353881 (0xFF7C91D9)
YUV	146.9290, 34.5450, -20.1087
Hunter-Lab	54.3559, 6.5538, -37.9960

Details

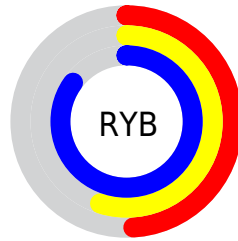
The XYZ color **30.9620, 29.5456, 69.7166** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.9946, 55.6885, 27.0789**, and the grayscale version is **27.5771, 29.0133, 31.5955**.

A 20% lighter version of the original color is **57.2958, 57.7701, 102.7387**, and **13.0680, 12.0583, 35.8211** is the 20% darker color. If you saturate the color by 10%, you get **25.7841, 23.3434, 68.7929**, and if you desaturate by 10%, it is **37.2117, 36.8649, 70.8005**.

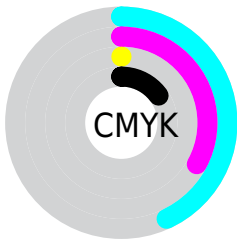
Distribution



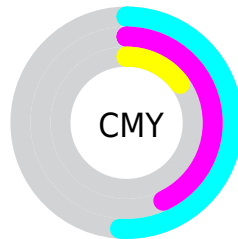
- Red (49%)
- Green (57%)
- Blue (85%)



- Red (49%)
- Yellow (55%)
- Blue (85%)



- Cyan (43%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)



- Cyan (51%)
- Magenta (43%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9620, 29.5456, 69.7166 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 30.9620, 29.5456, 69.7166 by changing the saturation by 10% instead.

■ 30.9620, 29.5456,
69.7166

■ 30.9620, 29.5456,
69.7166

298.1932,
299.7806, 478.3165

■ 20.7216, 19.4939,
50.8202

■ 60.5565, 58.9428,
120.4818

■ 13.0320, 12.0277,
35.6898

■ 80.6413, 79.0572,
153.1877

■ 7.5277, 6.7626,
23.9069

■ 104.7383,
103.2946, 191.3338

■ 3.8435, 3.3141,
15.0530

133.2128,
132.0394, 235.3387

■ 1.6140, 1.2978,
8.7096

166.4302,
165.6760, 285.6208

■ 0.4015, 0.1395,
4.4580

204.7558,

■ 0.0000, 0.0000,

204.5888, 342.5988

1.8798

248.5550,
249.1622, 406.6912

■ 0.0000, 0.0000,
0.4798

■ 0.0000, 0.0000,
0.0000

■ 30.9620, 29.5456,
69.7166

■ 30.9620, 29.5456,
69.7166

■ 25.7841, 23.3434,
68.7929

■ 37.2117, 36.8649,
70.8005

■ 21.6124, 18.1984,
68.0197

■ 44.5872, 45.3507,
72.0497

■ 18.3788, 14.0494,
67.3893

■ 53.1424, 55.0533,
73.4716

■ 16.0050, 10.8274,
66.8925

■ 62.9271, 66.0189,
75.0725

■ 14.3985, 8.4531,
66.5189

■ 73.9879, 78.2913,
76.8583

■ 13.6226, 7.2061,
66.3191

■ 86.3691, 91.9122,
78.8349

■ 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.



25.6163, 29.5456, 70.0317



30.9620, 29.5456, 69.7166



36.1138, 29.5456, 57.4639

Triad

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



30.9620, 29.5456, 69.7166



35.9022, 29.5456, 15.3456



19.2411, 29.5456, 25.4259

Complementary

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



30.9620, 29.5456, 69.7166



51.9946, 55.6885, 27.0789

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.



21.3395, 29.5456, 15.6611



30.9620, 29.5456, 69.7166



30.7014, 29.5456, 11.2233

Square

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



30.9620, 29.5456, 69.7166



39.2038, 29.5456, 24.8312



25.3868, 29.5456, 11.3167



19.2921, 29.5456, 40.8289

Rectangle

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



30.9620, 29.5456, 69.7166



38.5488, 29.5456, 45.8885



25.3868, 29.5456, 11.3167



19.7056, 29.5456, 21.5009

Sweetspot

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



30.9631, 29.5467, 69.7173



76.2403, 78.9501, 105.8283



43.0104, 57.8653, 60.7110



15.7007, 16.2010, 22.5495



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.



30.9631, 29.5467, 69.7173



38.1076, 34.7911, 99.3146



32.0913, 25.7974, 68.9342



12.5760, 13.0917, 16.5163



8.3121, 4.4937, 40.1677



0.6037, 0.4215, 2.6240

Inverse Universe

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



40.9347, 31.2127, 30.6561



54.4262, 38.2581, 35.2251



50.2408, 62.3143, 28.4502



13.1758, 13.0994, 14.1873



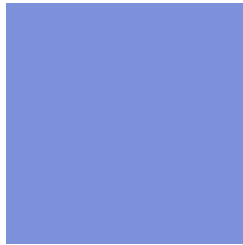
17.6909, 9.0774, 2.7524



1.1790, 0.6012, 0.3515

Previews

White Background



This preview shows how the XYZ color 30.9620, 29.5456, 69.7166 looks on a white background.

Color Contrast Check

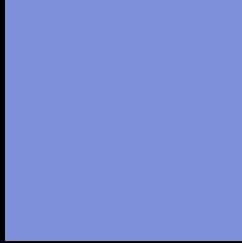
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9620, 29.5456, 69.7166 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 × Fail

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

XYZ 30.9620, 29.5456, 69.7166

Background



This preview shows how black text looks on a background with the XYZ color 30.9620, 29.5456, 69.7166.



This preview shows how white text looks on a background with the XYZ color 30.9620, 29.5456,

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

30.9620, 29.5456, 69.7166

Protanopia

30.9620, 29.5456, 69.7166

Deuteranopia

30.4293, 29.7287, 69.7801



Tritanopia

25.2519, 29.6122, 40.9440

Trichromacy



Original Color

30.9620, 29.5456, 69.7166

Protanomaly

30.9620, 29.5456, 69.7166

Deuteranomaly

30.5490, 29.5606, 69.7413

Tritanomaly

27.0260, 29.3490, 50.1394

Monochromacy



Original Color

30.9620, 29.5456, 69.7166

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.3727, 29.0253, 43.1368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9620, 29.5456, 69.7166 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(124, 145, 217)` looks like.

```
.text, #text, p{  
    color:rgb(124, 145, 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(124, 145, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 145, 217) }
```

Border

The CSS property to change the border of an element to XYZ 30.9620, 29.5456, 69.7166 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(124, 145, 217) }
```


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

```
.border{ border-color:rgb(124, 145, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 145, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 145, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 145, 217);  
box-shadow:4px 4px 4px 4px rgb(124, 145,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9620, 29.5456, 69.7166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 145, 217) }
```

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

```
.background{ background-color: rgb(124,  
145, 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](#).

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