

Converting Colors

XYZ(35.6757, 28.0193, 31.2336)

Have a look what the booklet for
XYZ(35.6757, 28.0193, 31.2336)
contains.

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Color

**XYZ(35.6570, 27.9234,
31.1142)**

Conversions

Conversions Part 1

Format	Color
Hex	C77993
RGB	199, 121, 147
RGB Percent	78%, 47%, 58%
CMY	0.2196, 0.5255, 0.4235
CMYK	0.00, 0.39, 0.26, 0.22
HSL	340°, 41%, 63%
HSV	340°, 39%, 78%
XYZ	35.6570, 27.9234, 31.1142
YIQ	147.2860, 38.1420, 24.6220

Conversions

Conversions Part 2

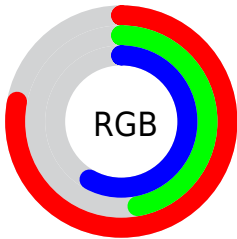
Format	Color
R _Y B	199, 121, 147
Decimal	13072787
CIE Lab	59.82, 33.80, -1.01
CIE LCh	60, 33.818, 358.288
Yxy	27.9234, 0.3765, 0.2949
Android (android.graphics.Color)	4291262867 (0xFFC77993)
YUV	147.2860, -0.1410, 45.3532
Hunter-Lab	52.8426, 27.9733, 2.0793

Details

The XYZ color **35.6570, 27.9234, 31.1142** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **35.8526, 47.9296, 46.8992**, and the grayscale version is **27.8417, 29.2916, 31.8986**.

A 20% lighter version of the original color is **67.1126, 56.1370, 62.5566**, and **15.6755, 11.0830, 12.6223** is the 20% darker color. If you saturate the color by 10%, you get **32.5017, 23.1837, 25.2188**, and if you desaturate by 10%, it is **39.4328, 33.7114, 37.8095**.

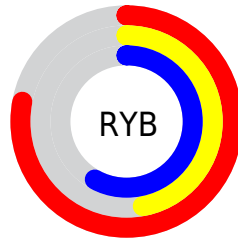
Distribution



Red (78%)

Green (47%)

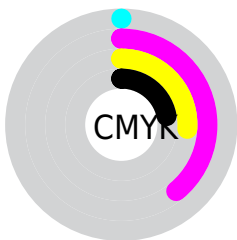
Blue (58%)



Red (78%)

Yellow (47%)

Blue (58%)

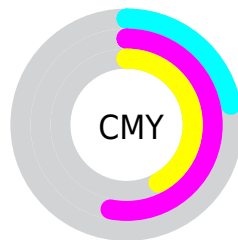


Cyan (0%)

Magenta (39%)

Yellow (26%)

Black (22%)



Cyan (22%)


Magenta (53%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6570, 27.9234, 31.1142 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 35.6570, 27.9234, 31.1142 by changing the saturation by 10% instead.


 35.6570, 27.9234,
31.1142


 35.6570, 27.9234,
31.1142


318.9163,
292.1007, 321.4316


 24.3383, 18.2679,
20.4266


 67.8297, 56.3621,
62.5015

 15.7108, 11.1425,
12.5184


 89.4143, 75.9142,
84.0383

 9.4093, 6.1628,
6.9710


 115.1517, 99.5338,
110.0286

 5.0684, 2.9443,
3.3658

145.4071,
127.6056, 140.8910

 2.3226, 1.1027,
1.2843

180.5459,
160.5137, 177.0439

 0.8062, 0.0000,
0.0489

220.9335,

 0.0000, 0.0000,

198.6427, 218.9060

0.0000

266.9352,
242.3769, 266.8957

■ 35.6570, 27.9234,
31.1142

■ 35.6570, 27.9234,
31.1142

■ 32.5017, 23.1837,
25.2188

■ 39.4328, 33.7114,
37.8095

■ 29.9295, 19.4249,
20.0899

■ 43.8589, 40.6017,
45.3327

■ 27.9027, 16.5780,
15.6941


■ 48.9658, 48.6495,
53.7127


■ 26.3776, 14.5631,
11.9943


■ 54.7815, 57.9050,
62.9761


■ 25.3034, 13.2863,
8.9496


■ 61.3324, 68.4154,
73.1486

 24.5958, 12.5870,
6.5060

 68.6434, 80.2255,
84.2547

 24.5463, 12.5394,
6.3315

 75.0225, 89.9458,
95.7459

 77.0652, 90.7629,
106.5025

 77.3633, 90.8822,
108.0723

Harmonies

Analogous

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



34.1845, 27.9234, 44.5703



35.6570, 27.9234, 31.1142



34.4767, 27.9234, 20.5364

Triad

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



35.6570, 27.9234, 31.1142



22.8241, 27.9234, 13.9995



22.4408, 27.9234, 55.2190

Complementary

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



35.6570, 27.9234, 31.1142



35.8526, 47.9296, 46.8992

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.



19.9262, 27.9234, 43.0132



35.6570, 27.9234, 31.1142



20.1302, 27.9234, 19.6107

Square

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



35.6570, 27.9234, 31.1142



26.7872, 27.9234, 12.3913



19.1273, 27.9234, 29.7044



26.2950, 27.9234, 60.6141

Rectangle

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



35.6570, 27.9234, 31.1142



32.4087, 27.9234, 15.9719



19.1273, 27.9234, 29.7044



21.4270, 27.9234, 51.6391

Sweetspot

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



35.6578, 27.9247, 31.1148



82.9408, 80.7616, 89.5109



34.3808, 26.6840, 57.3715



17.4944, 16.8786, 18.7369



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.



35.6578, 27.9247, 31.1148



57.6722, 41.7288, 45.6217



35.5305, 30.5741, 22.1195



10.7772, 10.6943, 11.8103



15.8204, 8.0777, 4.2641



0.7829, 0.3960, 0.3798

Inverse Universe

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



35.6578, 27.9247, 31.1148



57.6722, 41.7288, 45.6217



35.7538, 43.3071, 60.5077



10.7772, 10.6943, 11.8103



15.8204, 8.0777, 4.2641



0.7829, 0.3960, 0.3798

Previews

White Background



This preview shows how the XYZ color 35.6570, 27.9234, 31.1142 looks on a white background.

Color Contrast Check

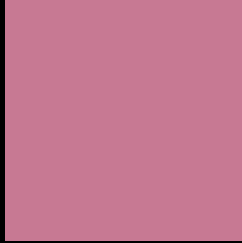
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6570, 27.9234, 31.1142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

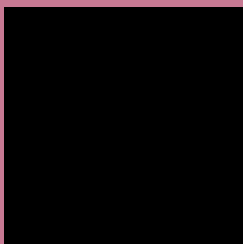
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.6570, 27.9234, 31.1142

Background



This preview shows how black text looks on a background with the XYZ color 35.6570, 27.9234, 31.1142.



This preview shows how white text looks on a background with the XYZ color 35.6570, 27.9234,

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

35.6570, 27.9234, 31.1142

Protanopia

27.5616, 28.2705, 37.7223

Deuteranopia

28.7102, 28.1407, 30.3041



Tritanopia

34.7300, 28.1145, 25.7865

Trichromacy



Original Color

35.6570, 27.9234, 31.1142

Protanomaly

29.9092, 27.7951, 35.2411

Deuteranomaly

30.9539, 27.8181, 30.5260

Tritanomaly

34.9591, 28.0067, 27.6080

Monochromacy



Original Color

35.6570, 27.9234, 31.1142

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.0808, 28.3905, 31.4983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6570, 27.9234, 31.1142 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(199, 121, 147)` looks like.

```
.text, #text, p{  
    color:rgb(199, 121, 147)  
}
```

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(199, 121, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 121, 147) }
```

Border

The CSS property to change the border of an element to XYZ 35.6570, 27.9234, 31.1142 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(199, 121, 147) }
```


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

```
.border{ border-color:rgb(199, 121, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 121, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 121, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 121, 147); box-shadow:4px 4px 4px 4px rgb(199, 121, 147) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6570, 27.9234, 31.1142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 121, 147) }
```

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

```
.background{ background-color: rgb(199,  
121, 147) }
```

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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