

Converting Colors

XYZ(49.0786, 66.8983, 25.7342)

Have a look what the booklet for
XYZ(49.0786, 66.8983, 25.7342)
contains.

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Color

**XYZ(49.1259, 66.9936,
25.6711)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E670
RGB	176, 230, 112
RGB Percent	69%, 90%, 44%
CMY	0.3098, 0.0980, 0.5608
CMYK	0.23, 0.00, 0.51, 0.10
HSL	87°, 70%, 67%
HSV	87°, 51%, 90%
XYZ	49.1259, 66.9936, 25.6711
YIQ	200.4020, 5.6940, -48.1460

Conversions

Conversions Part 2

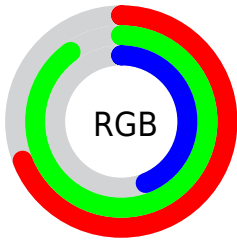
Format	Color
RYB	112, 230, 166
Decimal	11593328
CIELab	85.50, -36.24, 51.45
CIELCh	86, 62.930, 125.163
Yxy	66.9936, 0.3465, 0.4725
Android (android.graphics.Color)	4289783408 (0xFFB0E670)
YUV	200.4020, -43.5822, -21.4006
Hunter-Lab	81.8496, -36.1017, 38.6992

Details

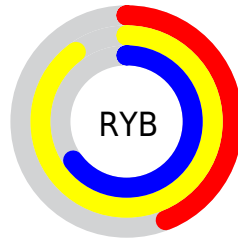
The XYZ color **49.1259, 66.9936, 25.6711** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.8059, 25.4105, 77.8843**, and the grayscale version is **55.4073, 58.2928, 63.4808**.

A 20% lighter version of the original color is **76.5746, 91.7656, 49.7530**, and **23.6712, 34.5809, 9.5649** is the 20% darker color. If you saturate the color by 10%, you get **45.7172, 65.3680, 19.6596**, and if you desaturate by 10%, it is **53.0495, 68.8511, 33.4167**.

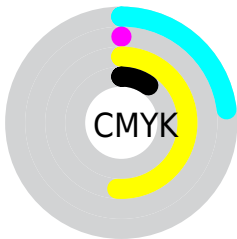
Distribution



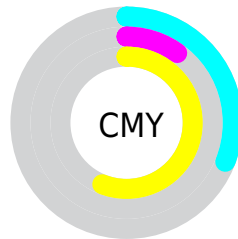
- Red (69%)
- Green (90%)
- Blue (44%)



- Red (44%)
- Yellow (90%)
- Blue (65%)



- Cyan (23%)
- Magenta (0%)
- Yellow (51%)
- Black (10%)



- Cyan (31%)
- Magenta (10%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1259, 66.9936, 25.6711 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 49.1259, 66.9936, 25.6711 by changing the saturation by 10% instead.

■ 49.1259, 66.9936,
25.6711

■ 49.1259, 66.9936,
25.6711

373.7465,
449.9220, 294.7177

■ 34.9343, 49.0794,
16.3542

■ 88.0780, 114.9112,
53.7214

■ 23.7786, 34.6825,
9.6181

■ 113.5692,
145.6835, 73.2919

■ 15.2933, 23.4184,
5.0442

■ 143.5577,
181.5106, 97.1174

■ 9.1131, 14.9028,
2.2140

178.4088,
222.7769, 125.6163

■ 4.8727, 8.7512,
0.6824

218.4879,
269.8667, 159.2073

■ 2.2068, 4.5792,
0.0000

264.1603,

■ 0.7463, 2.0026,

323.1646, 198.3088

0.0000

315.7914,
383.0549, 243.3394

0.0000, 0.6090,
0.0000

0.0000, 0.0000,
0.0000

49.1259, 66.9936,
25.6711

49.1259, 66.9936,
25.6711

45.7172, 65.3680,
19.6596

53.0495, 68.8511,
33.4167

42.7890, 63.9532,
15.2436


57.5100, 70.9428,
43.0120


40.3095, 62.7382,
12.2708

62.5336, 73.2819,
54.5677


38.2391, 61.7066,
10.5570

68.1432, 75.8782,
68.1846

 36.7177, 60.9369,
9.8268

 74.3602, 78.7405,
83.9566

 81.2050, 81.8775,
101.9718

 85.6601, 84.0825,
106.3225

 87.5883, 85.0765,
106.4128

Harmonies

Analogous

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



61.2347, 66.9936, 19.2891



49.1259, 66.9936, 25.6711



41.8531, 66.9936, 44.6318

Triad

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



49.1259, 66.9936, 25.6711



52.8171, 66.9936, 170.1988



95.1487, 66.9936, 66.0901

Complementary

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



49.1259, 66.9936, 25.6711



35.8059, 25.4105, 77.8843

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.



92.0077, 66.9936, 111.2430



49.1259, 66.9936, 25.6711



66.1801, 66.9936, 182.7376

Square

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



49.1259, 66.9936, 25.6711



43.7502, 66.9936, 128.2970



80.8466, 66.9936, 158.0433



88.8836, 66.9936, 36.3629

Rectangle

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



49.1259, 66.9936, 25.6711



40.0328, 66.9936, 66.5080



80.8466, 66.9936, 158.0433



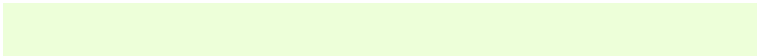
95.1664, 66.9936, 79.7837

Sweetspot

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



49.1275, 66.9965, 25.6725



83.3422, 94.6065, 79.3436



49.0336, 44.9417, 21.4205



17.5165, 20.1006, 16.2002



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.



49.1275, 66.9965, 25.6725



57.3566, 82.4048, 24.1675



38.6812, 61.6113, 25.1837



14.9324, 16.4722, 15.2969



20.9292, 34.5709, 5.5698



1.6534, 2.6097, 0.4166

Inverse Universe

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



35.8059, 25.4105, 77.8843



38.7329, 24.2144, 97.2401



50.8513, 33.1666, 78.5884



14.2064, 14.2086, 18.1381



11.5393, 5.0146, 42.7429



0.9588, 0.4252, 3.1635

Previews

White Background



This preview shows how the XYZ color 49.1259, 66.9936, 25.6711 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 49.1259, 66.9936, 25.6711 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 49.1259, 66.9936, 25.6711

Background



This preview shows how black text looks on a background with the XYZ color 49.1259, 66.9936, 25.6711.



This preview shows how white text looks on a background with the XYZ color 49.1259, 66.9936,

25.6711.

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

49.1259, 66.9936, 25.6711

Protanopia

60.6567, 66.2913, 23.2342

Deuteranopia

67.1359, 66.1670, 31.7873



Tritanopia

61.6565, 66.9037, 87.5060

Trichromacy



Original Color

49.1259, 66.9936, 25.6711

Protanomaly

55.7698, 66.0419, 23.9953

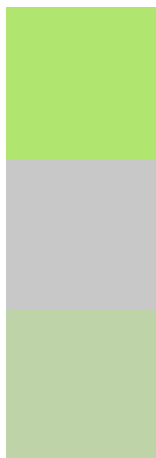
Deuteranomaly

58.9242, 65.2636, 29.2302

Tritanomaly

55.9091, 66.5251, 58.6091

Monochromacy



Original Color

49.1259, 66.9936, 25.6711

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

51.8480, 60.4921, 45.9892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1259, 66.9936, 25.6711 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(176, 230, 112)` looks like.

```
.text, #text, p{  
    color:rgb(176, 230, 112)  
}
```

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(176, 230, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 230, 112) }
```

Border

The CSS property to change the border of an element to XYZ 49.1259, 66.9936, 25.6711 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(176, 230, 112) }
```


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

```
.border{ border-color:rgb(176, 230, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 230, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 230, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 230, 112); box-shadow:4px 4px 4px 4px rgb(176, 230, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1259, 66.9936, 25.6711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 230, 112) }
```

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

```
.background{ background-color: rgb(176,  
230, 112) }
```

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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