

Converting Colors

XYZ(35.6135, 49.8105, 29.8584)

Have a look what the booklet for
XYZ(35.6135, 49.8105, 29.8584)
contains.

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Color

**XYZ(35.6580, 49.9475,
29.9518)**

Conversions

Conversions Part 1

Format	Color
Hex	86CC85
RGB	134, 204, 133
RGB Percent	53%, 80%, 52%
CMY	0.4745, 0.2000, 0.4784
CMYK	0.34, 0.00, 0.35, 0.20
HSL	119°, 41%, 66%
HSV	119°, 35%, 80%
XYZ	35.6580, 49.9475, 29.9518
YIQ	174.9760, -18.9290, -36.9210

Conversions

Conversions Part 2

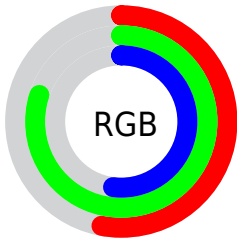
Format	Color
RYB	133, 204, 203
Decimal	8834181
CIELab	76.04, -36.10, 28.61
CIElCh	76, 46.062, 141.598
Yxy	49.9475, 0.3086, 0.4322
Android (android.graphics.Color)	4287024261 (0xFF86CC85)
YUV	174.9760, -20.6942, -35.9360
Hunter-Lab	70.6735, -33.6174, 24.3441

Details

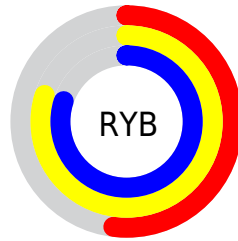
The XYZ color **35.6580, 49.9475, 29.9518** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.9175, 33.8328, 61.3450**, and the grayscale version is **40.8469, 42.9741, 46.7988**.

A 20% lighter version of the original color is **65.7159, 85.9267, 60.1356**, and **15.7021, 23.8688, 11.9632** is the 20% darker color. If you saturate the color by 10%, you get **31.4769, 47.9409, 23.1000**, and if you desaturate by 10%, it is **40.7251, 52.3822, 38.2760**.

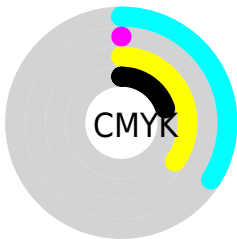
Distribution



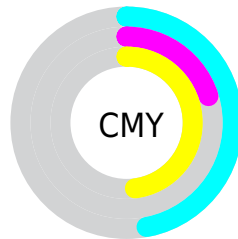
- Red (53%)
- Green (80%)
- Blue (52%)



- Red (52%)
- Yellow (80%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (35%)
- Black (20%)



- Cyan (47%)
- Magenta (20%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6580, 49.9475, 29.9518 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 35.6580, 49.9475, 29.9518 by changing the saturation by 10% instead.

■ 35.6580, 49.9475,
29.9518

■ 35.6580, 49.9475,
29.9518

318.9206,
386.4606, 315.8800

■ 24.3391, 35.3717,
19.5503

■ 67.8312, 90.0971,
60.6461

■ 15.7114, 23.9493,
11.8877

■ 89.4162, 116.4396,
81.7758

■ 9.4097, 15.2960,
6.5457

■ 115.1539,
147.4732, 107.3188

■ 5.0686, 9.0274,
3.1055

145.4096,
183.5823, 137.6935

■ 2.3228, 4.7591,
1.1488

180.5488,
225.1511, 173.3184

■ 0.8063, 2.1066,
0.0000

220.9368,

■ 0.0000, 0.6683,

272.5642, 214.6121

0.0000

266.9390,
326.2059, 261.9931

■ 0.0000, 0.0000,
0.0000

■ 35.6580, 49.9475,
29.9518

■ 35.6580, 49.9475,
29.9518

■ 31.4769, 47.9409,
23.1000

■ 40.7251, 52.3822,
38.2760

■ 28.1274, 46.3317,
17.6319

■ 46.7210, 55.2609,
48.1478

■ 25.5550, 45.0954,
13.4543


■ 53.6902, 58.6064,
59.6412


■ 23.6974, 44.2020,
10.4613


■ 61.6732, 62.4383,
72.8247


■ 22.4823, 43.6172,
8.5303

■ 70.7085, 66.7749,
87.7626

 21.8227, 43.2990,
7.5120

 80.7669, 71.6074,
104.1725

 21.6298, 43.2062,
7.1996

 80.8838, 71.6677,
104.1779

Harmonies

Analogous

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



41.6432, 49.9475, 21.1659



35.6580, 49.9475, 29.9518



32.9219, 49.9475, 47.7537

Triad

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



35.6580, 49.9475, 29.9518



45.0981, 49.9475, 115.9758



64.5685, 49.9475, 38.7483

Complementary

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



35.6580, 49.9475, 29.9518



43.9175, 33.8328, 61.3450

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.



65.7833, 49.9475, 61.6020



35.6580, 49.9475, 29.9518



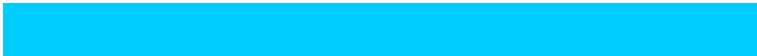
53.8243, 49.9475, 111.3714

Square

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



35.6580, 49.9475, 29.9518



37.9247, 49.9475, 100.5805



61.6475, 49.9475, 89.4256



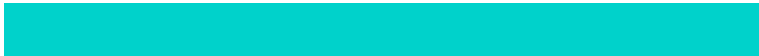
58.5042, 49.9475, 25.0731

Rectangle

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



35.6580, 49.9475, 29.9518



33.0475, 49.9475, 64.4718



61.6475, 49.9475, 89.4256



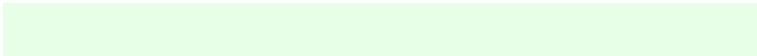
65.5845, 49.9475, 45.4081

Sweetspot

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



35.6593, 49.9496, 29.9529



82.5606, 94.0047, 88.2886



50.4504, 57.1587, 30.5648



17.3249, 19.9546, 18.3262



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.



35.6593, 49.9496, 29.9529



53.5661, 80.0828, 40.6098



38.2717, 50.9763, 44.5367



11.0824, 12.5444, 11.9166



13.6200, 27.1967, 4.5316



0.7079, 1.4057, 0.2340

Inverse Universe

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



43.9175, 33.8328, 61.3450



69.3123, 49.3439, 100.4789



40.5169, 32.5041, 42.0134



11.6714, 11.3954, 14.1548



22.0502, 10.5748, 36.8352



1.1427, 0.5482, 1.9005

Previews

White Background



This preview shows how the XYZ color 35.6580, 49.9475, 29.9518 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 35.6580, 49.9475, 29.9518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

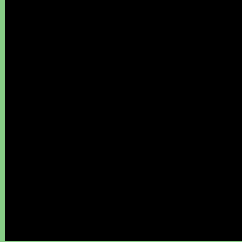
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6580, 49.9475, 29.9518

Background



This preview shows how black text looks on a background with the XYZ color 35.6580, 49.9475, 29.9518.



This preview shows how white text looks on a background with the XYZ color 35.6580, 49.9475,

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

35.6580, 49.9475, 29.9518

Protanopia

45.8933, 49.6036, 26.8943

Deuteranopia

50.2955, 49.3199, 31.2949



Tritanopia

43.1374, 49.5326, 68.2599

Trichromacy



Original Color

35.6580, 49.9475, 29.9518



Protanomaly

41.1639, 49.0720, 28.0712



Deuteranomaly

43.4848, 48.5914, 30.7541



Tritanomaly

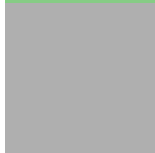
39.9653, 49.6052, 51.7243

Monochromacy



Original Color

35.6580, 49.9475, 29.9518



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.4013, 45.1295, 39.9446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6580, 49.9475, 29.9518 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(134, 204, 133)` looks like.

```
.text, #text, p{  
    color:rgb(134, 204, 133)  
}
```

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(134, 204, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 204, 133) }
```

Border

The CSS property to change the border of an element to XYZ 35.6580, 49.9475, 29.9518 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(134, 204, 133) }
```


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

```
.border{ border-color:rgb(134, 204, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 204, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 204, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 204, 133);  
box-shadow:4px 4px 4px 4px rgb(134, 204,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6580, 49.9475, 29.9518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 204, 133) }
```

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

```
.background{ background-color: rgb(134,  
204, 133) }
```

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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