

Converting Colors

XYZ(31.2002, 49.9119, 25.4423)

Have a look what the booklet for
XYZ(31.2002, 49.9119, 25.4423)
contains.

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Color

**XYZ(31.2002, 49.9119,
25.4423)**

Conversions

Conversions Part 1

Format	Color
Hex	60D277
RGB	96, 210, 119
RGB Percent	38%, 82%, 47%
CMY	0.6235, 0.1765, 0.5333
CMYK	0.54, 0.00, 0.43, 0.18
HSL	132°, 56%, 60%
HSV	132°, 54%, 82%
XYZ	31.2002, 49.9119, 25.4423
YIQ	165.5400, -38.7330, -52.4690

Conversions

Conversions Part 2

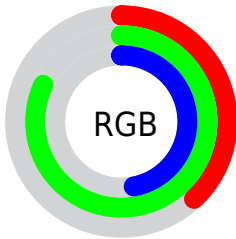
Format	Color
RYB	96, 191, 210
Decimal	6345335
CIELab	76.02, -51.70, 35.46
CIELCh	76, 62.696, 145.556
Yxy	49.9119, 0.2928, 0.4684
Android (android.graphics.Color)	4284535415 (0xFF60D277)
YUV	165.5400, -22.9442, -60.9866
Hunter-Lab	70.6484, -44.8043, 28.1020

Details

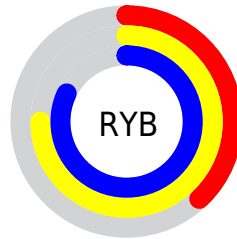
The XYZ color **31.2002, 49.9119, 25.4423** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **39.7323, 25.6561, 49.8730**, and the grayscale version is **36.1450, 38.0274, 41.4118**.

A 20% lighter version of the original color is **56.5328, 81.3686, 51.7558**, and **13.1087, 23.7877, 9.5308** is the 20% darker color. If you saturate the color by 10%, you get **28.3594, 48.5551, 20.5100**, and if you desaturate by 10%, it is **34.8112, 51.6481, 31.3397**.

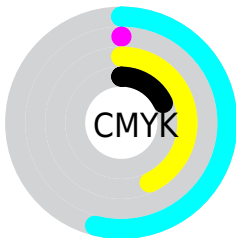
Distribution



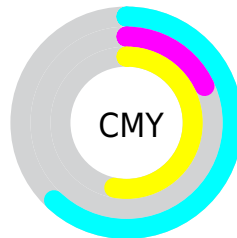
- Red (38%)
- Green (82%)
- Blue (47%)



- Red (38%)
- Yellow (75%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (43%)
- Black (18%)



- Cyan (62%)
- Magenta (18%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2002, 49.9119, 25.4423 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 31.2002, 49.9119, 25.4423 by changing the saturation by 10% instead.

■ 31.2002, 49.9119,
25.4423

■ 31.2002, 49.9119,
25.4423

299.2700,
386.3213, 293.5514

■ 20.9039, 35.3434,
16.1849

■ 60.9288, 90.0443,
53.3468

■ 13.1658, 23.9275,
9.4993

■ 81.0919, 116.3771,
72.8311

■ 7.6206, 15.2799,
4.9670

■ 105.2746,
147.4000, 96.5613

■ 3.9029, 9.0160,
2.1695

■ 133.8423,
183.4975, 124.9560

■ 1.6474, 4.7516,
0.6567

167.1603,
225.0540, 158.4339

■ 0.4230, 2.1023,
0.0000

205.5940,

■ 0.0000, 0.6659,

272.4538, 197.4134

0.0000

249.5088,
326.0815, 242.3130

■ 0.0000, 0.0000,
0.0000

■ 31.2002, 49.9119,
25.4423

■ 31.2002, 49.9119,
25.4423

■ 28.3594, 48.5551,
20.5100

■ 34.8112, 51.6481,
31.3397

■ 26.2276, 47.5429,
16.4882

■ 39.2400, 53.7829,
38.2464

■ 24.7400, 46.8446,
13.3216

■ 44.5350, 56.3419,
46.2080

■ 23.8179, 46.4208,
10.9476

■ 50.7394, 59.3463,
55.2661

■ 23.4722, 46.2650,
9.9184

■ 57.8936, 62.8162,
65.4602

■ 66.0357, 66.7704,
76.8279

■ 75.2015, 71.2267,
89.4049

■ 82.0345, 74.4539,
103.0667

■ 82.3376, 74.5752,
104.6625

Harmonies

Analogous

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



38.3813, 49.9119, 14.4796



31.2002, 49.9119, 25.4423



28.3593, 49.9119, 49.5047

Triad

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



31.2002, 49.9119, 25.4423



45.7179, 49.9119, 147.2160



70.7680, 49.9119, 31.0198

Complementary

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



31.2002, 49.9119, 25.4423



39.7323, 25.6561, 49.8730

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.



73.5901, 49.9119, 59.4922



31.2002, 49.9119, 25.4423



57.8219, 49.9119, 135.6591

Square

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



31.2002, 49.9119, 25.4423



35.8191, 49.9119, 126.6784



68.5166, 49.9119, 99.5397



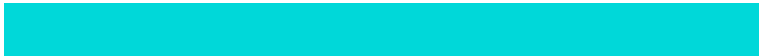
61.3358, 49.9119, 16.6466

Rectangle

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



31.2002, 49.9119, 25.4423



28.8996, 49.9119, 73.5207



68.5166, 49.9119, 99.5397



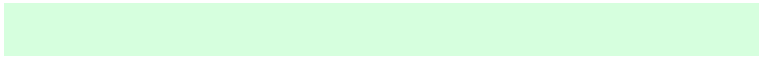
72.5810, 49.9119, 38.8330

Sweetspot

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



31.2015, 49.9140, 25.4434



76.7928, 91.1434, 82.9562



45.7022, 57.5302, 19.7622



15.9947, 19.2943, 17.1140



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.



31.2015, 49.9140, 25.4434



43.4598, 75.0786, 30.8391



35.6885, 51.7088, 49.0720



11.7525, 13.2447, 13.0528



14.3462, 28.2314, 6.2032



0.8311, 1.5901, 0.4995

Inverse Universe

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



39.7323, 25.6561, 49.8730



57.9588, 33.6967, 72.2461



34.8052, 23.6852, 23.9274



12.2043, 11.9665, 14.3518



20.5395, 10.0886, 23.5447



1.1750, 0.5747, 1.4563

Previews

White Background



This preview shows how the XYZ color 31.2002, 49.9119, 25.4423 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 31.2002, 49.9119, 25.4423 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

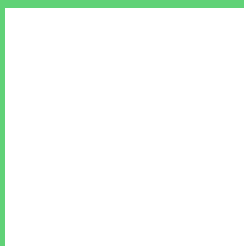
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2002, 49.9119, 25.4423

Background



This preview shows how black text looks on a background with the XYZ color 31.2002, 49.9119, 25.4423.



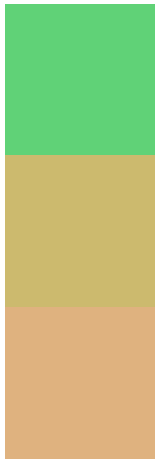
This preview shows how white text looks on a background with the XYZ color 31.2002, 49.9119,

25.4423.

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

31.2002, 49.9119, 25.4423

Protanopia

45.2752, 49.0810, 21.8392

Deuteranopia

50.1826, 49.0611, 26.9035



Tritanopia

40.4349, 49.7462, 71.7608

Trichromacy



Original Color

31.2002, 49.9119, 25.4423



Protanomaly

38.0128, 48.2218, 22.9270



Deuteranomaly

40.1830, 47.6293, 26.1443



Tritanomaly

36.1497, 49.3867, 50.8073

Monochromacy



Original Color

31.2002, 49.9119, 25.4423



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.1373, 41.2885, 34.6567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2002, 49.9119, 25.4423 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(96, 210, 119)` looks like.

```
.text, #text, p{  
    color:rgb(96, 210, 119)  
}
```

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(96, 210, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 210, 119) }
```

Border

The CSS property to change the border of an element to XYZ 31.2002, 49.9119, 25.4423 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(96, 210, 119) }
```


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

```
.border{ border-color:rgb(96, 210, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 210, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 210, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 210, 119);  
box-shadow:4px 4px 4px 4px rgb(96, 210,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2002, 49.9119, 25.4423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 210, 119) }
```

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

```
.background{ background-color: rgb(96, 210,  
119) }
```

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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