

Converting Colors

XYZ(31.2668, 49.5862, 26.7834)

Have a look what the booklet for
XYZ(31.2668, 49.5862, 26.7834)
contains.

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Color

**XYZ(31.1995, 49.5178,
26.6524)**

Conversions

Conversions Part 1

Format	Color
Hex	60D17B
RGB	96, 209, 123
RGB Percent	38%, 82%, 48%
CMY	0.6235, 0.1804, 0.5176
CMYK	0.54, 0.00, 0.41, 0.18
HSL	134°, 55%, 60%
HSV	134°, 54%, 82%
XYZ	31.1995, 49.5178, 26.6524
YIQ	165.4090, -39.7420, -50.7020

Conversions

Conversions Part 2

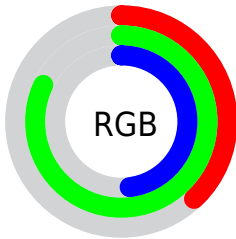
Format	Color
RYB	96, 187, 209
Decimal	6345083
CIELab	75.77, -50.66, 33.12
CIELCh	76, 60.525, 146.825
Yxy	49.5178, 0.2906, 0.4612
Android (android.graphics.Color)	4284535163 (0xFF60D17B)
YUV	165.4090, -20.9076, -60.8717
Hunter-Lab	70.3689, -44.0039, 26.8020

Details

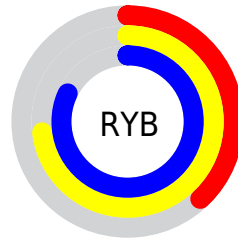
The XYZ color **31.1995, 49.5178, 26.6524** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **38.9224, 25.2994, 47.0894**, and the grayscale version is **36.0728, 37.9514, 41.3291**.

A 20% lighter version of the original color is **56.9229, 81.5246, 53.8100**, and **13.2649, 23.8535, 10.2084** is the 20% darker color. If you saturate the color by 10%, you get **28.3699, 48.1663, 21.7382**, and if you desaturate by 10%, it is **34.7779, 51.2394, 32.4484**.

Distribution



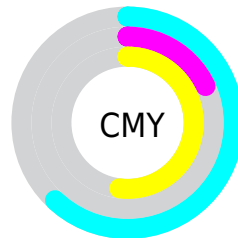
- Red (38%)
- Green (82%)
- Blue (48%)



- Red (38%)
- Yellow (73%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (41%)
- Black (18%)



- Cyan (62%)
- Magenta (18%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1995, 49.5178, 26.6524 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 31.1995, 49.5178, 26.6524 by changing the saturation by 10% instead.

■ 31.1995, 49.5178,
26.6524

■ 31.1995, 49.5178,
26.6524

299.2669,
384.7772, 299.6769

■ 20.9034, 35.0304,
17.0822

■ 60.9277, 89.4600,
55.3225

■ 13.1655, 23.6863,
10.1305

■ 81.0906, 115.6836,
75.2595

■ 7.6204, 15.1011,
5.3789

■ 105.2730,
146.5881, 99.4892

■ 3.9028, 8.8904,
2.4086

■ 133.8404,
182.5578, 128.4301

■ 1.6473, 4.6697,
0.7911

167.1581,
223.9772, 162.5008

■ 0.4229, 2.0548,
0.0000

205.5916,

■ 0.0000, 0.6390,

271.2307, 202.1198

0.0000

249.5060,
324.7025, 247.7057

■ 0.0000, 0.0000,
0.0000

■ 31.1995, 49.5178,
26.6524

■ 31.1995, 49.5178,
26.6524

■ 28.3699, 48.1663,
21.7382

■ 34.7779, 51.2394,
32.4484

■ 26.2301, 47.1513,
17.6591

■ 39.1509, 53.3496,
39.1631

■ 24.7180, 46.4430,
14.3692

■ 44.3648, 55.8731,
46.8355

■ 23.7579, 46.0036,
11.8165

■ 50.4614, 58.8305,
55.5011

■ 23.3758, 45.8326,
10.6253

■ 57.4796, 62.2413,
65.1938

■ 65.4560, 66.1235,
75.9459

■ 74.4252, 70.4945,
87.7880

■ 81.3366, 73.7809,
100.6056

■ 82.0914, 74.0828,
104.5805

Harmonies

Analogous

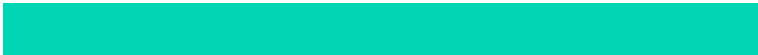
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.9736, 49.5178, 15.4055



31.1995, 49.5178, 26.6524



28.6220, 49.5178, 50.5619

Triad

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



31.1995, 49.5178, 26.6524



45.8788, 49.5178, 142.2922



69.0965, 49.5178, 30.5378

Complementary

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



31.1995, 49.5178, 26.6524



38.9224, 25.2994, 47.0894

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.



72.0992, 49.5178, 57.4162



31.1995, 49.5178, 26.6524



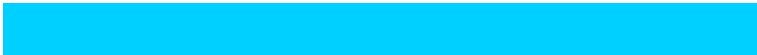
57.5031, 49.5178, 130.1225

Square

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



31.1995, 49.5178, 26.6524



36.2057, 49.5178, 124.0541



67.5625, 49.5178, 95.3535



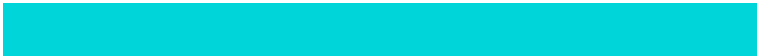
59.9042, 49.5178, 16.9404

Rectangle

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



31.1995, 49.5178, 26.6524



29.2668, 49.5178, 73.8816



67.5625, 49.5178, 95.3535



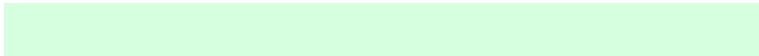
70.9208, 49.5178, 37.9171

Sweetspot

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



31.2008, 49.5198, 26.6535



76.9976, 91.2253, 84.0346



44.3549, 56.4702, 19.6288



16.0430, 19.3136, 17.3682



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.



31.2008, 49.5198, 26.6535



43.8566, 75.2373, 32.9290



35.7490, 51.3391, 50.6042



11.7704, 13.2519, 13.1476



14.4447, 28.2708, 6.7221



0.8394, 1.5934, 0.5433

Inverse Universe

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



38.9224, 25.2994, 47.0894



57.1499, 33.3731, 67.9863



34.2533, 23.4318, 22.5020



12.1850, 11.9587, 14.2499



20.1144, 9.9186, 21.3062



1.1545, 0.5665, 1.3484

Previews

White Background



This preview shows how the XYZ color 31.1995, 49.5178, 26.6524 looks on a white background.

Color Contrast Check

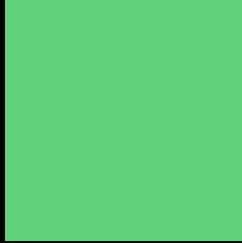
Large Text (above 18pt) WCAG AA × Fail

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 31.1995, 49.5178, 26.6524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

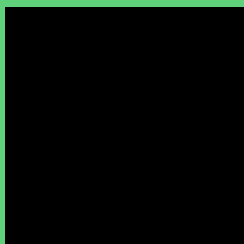
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

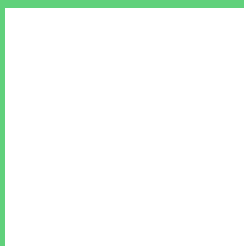
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1995, 49.5178, 26.6524

Background



This preview shows how black text looks on a background with the XYZ color 31.1995, 49.5178, 26.6524.

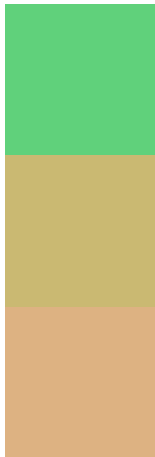


This preview shows how white text looks on a background with the XYZ color 31.1995, 49.5178,

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

31.1995, 49.5178, 26.6524

Protanopia

44.7433, 48.4694, 22.9169

Deuteranopia

49.7685, 48.8246, 27.9201



Tritanopia

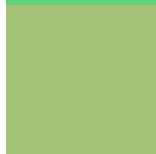
39.9394, 49.1651, 71.0031

Trichromacy



Original Color

31.1995, 49.5178, 26.6524



Protanomaly

37.6069, 47.6545, 24.0458



Deuteranomaly

39.9329, 47.1576, 27.0763



Tritanomaly

36.0166, 48.9568, 51.2674

Monochromacy



Original Color

31.1995, 49.5178, 26.6524



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.8441, 40.8252, 35.0031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1995, 49.5178, 26.6524 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, 209, 123)` looks like.

```
.text, #text, p{  
    color:rgb(96, 209, 123)  
}
```

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, 209, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 209, 123) }
```

Border

The CSS property to change the border of an element to XYZ 31.1995, 49.5178, 26.6524 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, 209, 123) }
```


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

```
.border{ border-color:rgb(96, 209, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 209, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 209, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 209, 123);  
box-shadow:4px 4px 4px 4px rgb(96, 209,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1995, 49.5178, 26.6524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 209, 123) }
```

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

```
.background{ background-color: rgb(96, 209,  
123) }
```

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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