

Converting Colors

XYZ(31.5218, 45.1644, 25.8370)

Have a look what the booklet for
XYZ(31.5218, 45.1644, 25.8370)
contains.

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Color

**XYZ(31.4835, 45.1209,
25.7887)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC47B
RGB	123, 196, 123
RGB Percent	48%, 77%, 48%
CMY	0.5176, 0.2314, 0.5176
CMYK	0.37, 0.00, 0.37, 0.23
HSL	120°, 38%, 63%
HSV	120°, 37%, 77%
XYZ	31.4835, 45.1209, 25.7887
YIQ	165.8510, -20.0750, -38.1790

Conversions

Conversions Part 2

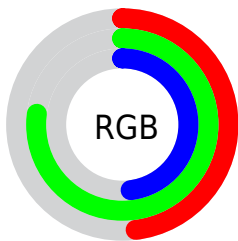
Format	Color
RYB	123, 196, 196
Decimal	8111227
CIELab	72.97, -37.54, 29.66
CIELCh	73, 47.844, 141.694
Yxy	45.1209, 0.3075, 0.4407
Android (android.graphics.Color)	4286301307 (0xFF7BC47B)
YUV	165.8510, -21.1255, -37.5803
Hunter-Lab	67.1721, -33.8884, 24.2579

Details

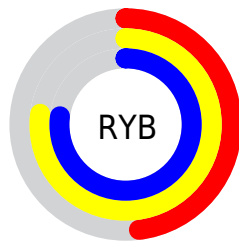
The XYZ color **31.4835, 45.1209, 25.7887** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **39.8133, 29.8882, 55.8970**, and the grayscale version is **36.2803, 38.1697, 41.5668**.

A 20% lighter version of the original color is **61.3219, 82.8501, 53.8340**, and **13.4014, 21.1291, 9.6753** is the 20% darker color. If you saturate the color by 10%, you get **27.8488, 43.3763, 19.8426**, and if you desaturate by 10%, it is **35.9275, 47.2569, 33.0568**.

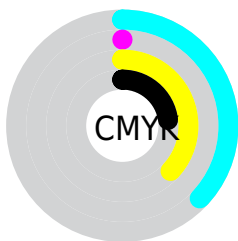
Distribution



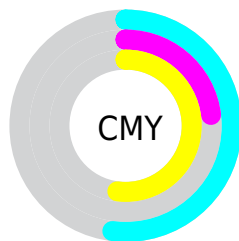
- Red (48%)
- Green (77%)
- Blue (48%)



- Red (48%)
- Yellow (77%)
- Blue (77%)



- Cyan (37%)
- Magenta (0%)
- Yellow (37%)
- Black (23%)





- Cyan (52%)
- Magenta (23%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4835, 45.1209, 25.7887 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 31.4835, 45.1209, 25.7887 by changing the saturation by 10% instead.


 31.4835, 45.1209,
25.7887


 31.4835, 45.1209,
25.7887


300.5469,
367.2630, 295.3157


 21.1209, 31.5527,
16.4413


 61.3712, 82.9018,
53.9138

 13.3254, 21.0200,
9.6792

 81.6270, 107.8833,
73.5285

 7.7315, 13.1387,
5.0840


 105.9113,
137.4379, 97.4027

 3.9740, 7.5241,
2.2370

134.5893,
171.9502, 125.9550

 1.6874, 3.7920,
0.6956

168.0266,
211.8044, 159.6040

 0.4484, 1.5579,
0.0000

206.5884,

 0.0000, 0.3290,

257.3850, 198.7680

0.0000

250.6400,
309.0764, 243.8657

■ 0.0000, 0.0000,
0.0000

■ 31.4835, 45.1209,
25.7887

■ 31.4835, 45.1209,
25.7887

■ 27.8488, 43.3763,
19.8426

■ 35.9275, 47.2569,
33.0568

■ 24.9716, 41.9943,
15.1364

■ 41.2218, 49.8000,
41.7166

■ 22.7994, 40.9508,
11.5833

■ 47.4087, 52.7719,
51.8363

■ 21.2715, 40.2169,
9.0841

■ 54.5267, 56.1911,
63.4791

■ 20.3172, 39.7585,
7.5231

■ 62.6121, 60.0749,
76.7042

■ 19.8380, 39.5283,
6.7393

■ 71.6992, 64.4399,
91.5677

■ 19.7408, 39.4817,
6.5803

■ 79.0308, 67.9617,
103.5603

Harmonies

Analogous

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



37.2222, 45.1209, 17.5987



31.4835, 45.1209, 25.7887



28.8835, 45.1209, 42.7833

Triad

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



31.4835, 45.1209, 25.7887



40.6090, 45.1209, 110.0976



59.5957, 45.1209, 34.0203

Complementary

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



31.4835, 45.1209, 25.7887



39.8133, 29.8882, 55.8970

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.



60.8100, 45.1209, 56.0730



31.4835, 45.1209, 25.7887



49.0972, 45.1209, 105.4154

Square

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



31.4835, 45.1209, 25.7887



33.6863, 45.1209, 94.7500



56.7548, 45.1209, 83.4866



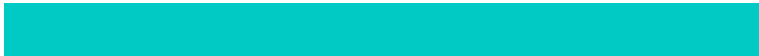
53.6246, 45.1209, 21.1650

Rectangle

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



31.4835, 45.1209, 25.7887



29.0103, 45.1209, 59.0478



56.7548, 45.1209, 83.4866



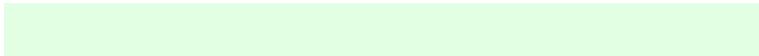
60.6022, 45.1209, 40.3882

Sweetspot

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



31.4846, 45.1228, 25.7897



81.2811, 93.3861, 86.3784



46.0820, 52.6480, 26.4726



17.0653, 19.8289, 17.9453



0.0000, 0.0000, 0.0000



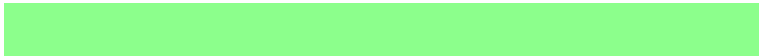
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.4846, 45.1228, 25.7897



51.3696, 79.0181, 37.4528



34.2111, 46.2134, 40.1470



9.9445, 11.2588, 10.7109



12.6838, 25.3676, 4.2280



0.5480, 1.0961, 0.1827

Inverse Universe

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



39.8133, 29.8882, 55.8970



68.7044, 47.3092, 100.1171



36.1508, 28.4232, 36.6109



10.4973, 10.2475, 12.7095



21.0295, 10.1016, 34.3972



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 31.4835, 45.1209, 25.7887 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 31.4835, 45.1209, 25.7887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

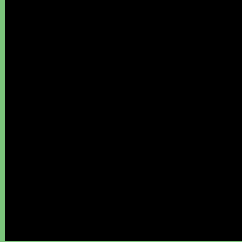
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4835, 45.1209, 25.7887

Background



This preview shows how black text looks on a background with the XYZ color 31.4835, 45.1209, 25.7887.



This preview shows how white text looks on a background with the XYZ color 31.4835, 45.1209,

25.7887.

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

31.4835, 45.1209, 25.7887

Protanopia

41.3209, 44.5711, 22.9482

Deuteranopia

45.3893, 44.5597, 26.9775



Tritanopia

38.5828, 44.7381, 61.8601

Trichromacy



Original Color

31.4835, 45.1209, 25.7887

Protanomaly

36.8272, 44.3547, 24.0731

Deuteranomaly

38.7424, 43.7585, 26.4830

Tritanomaly

35.6291, 44.8306, 46.3105

Monochromacy



Original Color

31.4835, 45.1209, 25.7887

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

33.8048, 40.1303, 34.8184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4835, 45.1209, 25.7887 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(123, 196, 123)` looks like.

```
.text, #text, p{  
    color:rgb(123, 196, 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(123, 196, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 196, 123) }
```

Border

The CSS property to change the border of an element to XYZ 31.4835, 45.1209, 25.7887 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(123, 196, 123) }
```


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

```
.border{ border-color:rgb(123, 196, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 196, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 196, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 196, 123);  
box-shadow:4px 4px 4px 4px rgb(123, 196,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4835, 45.1209, 25.7887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 196, 123) }
```

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

```
.background{ background-color: rgb(123,  
196, 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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