

Converting Colors

XYZ(31.6342, 45.8644, 23.3924)

Have a look what the booklet for
XYZ(31.6342, 45.8644, 23.3924)
contains.

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Color

**XYZ(31.7460, 45.9859,
23.4226)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC673
RGB	125, 198, 115
RGB Percent	49%, 78%, 45%
CMY	0.5098, 0.2235, 0.5490
CMYK	0.37, 0.00, 0.42, 0.22
HSL	113°, 42%, 61%
HSV	113°, 42%, 78%
XYZ	31.7460, 45.9859, 23.4226
YIQ	166.7110, -16.8650, -41.2890

Conversions

Conversions Part 2

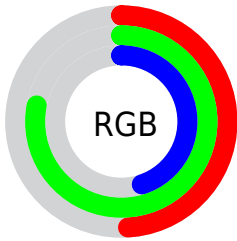
Format	Color
RYB	115, 198, 188
Decimal	8242803
CIELab	73.54, -39.02, 34.54
CIElCh	74, 52.109, 138.488
Yxy	45.9859, 0.3138, 0.4546
Android (android.graphics.Color)	4286432883 (0xFF7DC673)
YUV	166.7110, -25.4935, -36.5805
Hunter-Lab	67.8129, -35.1094, 26.9902

Details

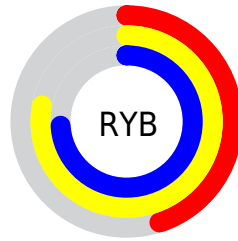
The XYZ color **31.7460, 45.9859, 23.4226** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **37.0649, 27.0315, 56.6925**, and the grayscale version is **36.7168, 38.6290, 42.0670**.

A 20% lighter version of the original color is **61.6503, 84.0505, 50.0198**, and **13.5259, 21.6678, 8.4704** is the 20% darker color. If you saturate the color by 10%, you get **28.4038, 44.3821, 17.9442**, and if you desaturate by 10%, it is **35.7811, 47.9213, 30.2128**.

Distribution



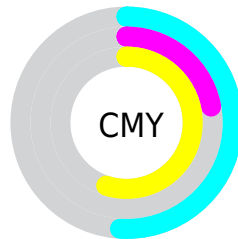
- Red (49%)
- Green (78%)
- Blue (45%)



- Red (45%)
- Yellow (78%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (42%)
- Black (22%)



- Cyan (51%)
- Magenta (22%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7460, 45.9859, 23.4226 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 31.7460, 45.9859, 23.4226 by changing the saturation by 10% instead.

■ 31.7460, 45.9859,
23.4226

■ 31.7460, 45.9859,
23.4226

301.7265,
370.7520, 283.0801

■ 21.3222, 32.2347,
14.6976

■ 61.7806, 84.1979,
50.0183

■ 13.4735, 21.5408,
8.4632

■ 82.1220, 109.4275,
68.7261

■ 7.8346, 13.5199,
4.3007

■ 106.5001,
139.2520, 91.5985

■ 4.0402, 7.7875,
1.7917

135.2800,
174.0558, 119.0542

■ 1.7249, 3.9593,
0.4225

168.8273,
214.2233, 151.5117

■ 0.4718, 1.6508,
0.0000

207.5072,

■ 0.0000, 0.3915,

260.1389, 189.3895

0.0000

251.6852,
312.1870, 233.1061

■ 0.0000, 0.0000,
0.0000

■ 31.7460, 45.9859,
23.4226

■ 31.7460, 45.9859,
23.4226

■ 28.4038, 44.3821,
17.9442

■ 35.7811, 47.9213,
30.2128

■ 25.7118, 43.0857,
13.6901

■ 40.5415, 50.1994,
38.3885

■ 23.6282, 42.0785,
10.5671


■ 46.0620, 52.8378,
48.0219


■ 22.1046, 41.3380,
8.4671

■ 52.3738, 55.8513,
59.1790

■ 21.0851, 40.8380,
7.2615

■ 59.5067, 59.2537,
71.9219

 20.5682, 40.5824,
6.7491

 67.4886, 63.0584,
86.3092

 76.3463, 67.2778,
102.3966

 79.4850, 68.8700,
103.7117

Harmonies

Analogous

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



38.3310, 45.9859, 15.7347



31.7460, 45.9859, 23.4226



28.5539, 45.9859, 40.6178

Triad

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



31.7460, 45.9859, 23.4226



40.2692, 45.9859, 118.0010



62.7410, 45.9859, 35.6519

Complementary

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



31.7460, 45.9859, 23.4226



37.0649, 27.0315, 56.6925

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.



63.4531, 45.9859, 60.8873



31.7460, 45.9859, 23.4226



49.5662, 45.9859, 115.1958

Square

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



31.7460, 45.9859, 23.4226



32.9927, 45.9859, 98.4448



58.3512, 45.9859, 91.7559



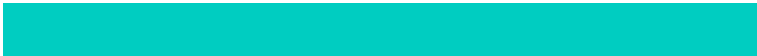
56.5239, 45.9859, 20.8909

Rectangle

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



31.7460, 45.9859, 23.4226



28.4319, 45.9859, 57.9338



58.3512, 45.9859, 91.7559



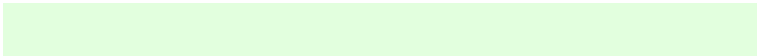
63.6614, 45.9859, 42.9536

Sweetspot

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



31.7472, 45.9879, 23.4236



80.2396, 92.9293, 82.7100



44.1414, 48.7581, 23.3051



16.6887, 19.6585, 16.8524



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.



31.7472, 45.9879, 23.4236



50.9267, 78.8924, 32.7936



32.4101, 46.0928, 34.1534



10.6142, 11.9480, 11.3095



13.4143, 26.4106, 4.3908



0.6757, 1.2714, 0.2098

Inverse Universe

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



37.0649, 27.0315, 56.6925



61.5177, 40.9908, 99.2774



36.4486, 27.0794, 40.1419



10.9525, 10.7493, 13.4151



18.0504, 8.5396, 35.4413



0.8911, 0.4231, 1.6798

Previews

White Background



This preview shows how the XYZ color 31.7460, 45.9859, 23.4226 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 31.7460, 45.9859, 23.4226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

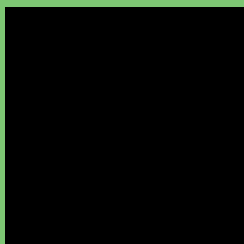
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7460, 45.9859, 23.4226

Background



This preview shows how black text looks on a background with the XYZ color 31.7460, 45.9859, 23.4226.



This preview shows how white text looks on a background with the XYZ color 31.7460, 45.9859,

23.4226.

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

31.7460, 45.9859, 23.4226

Protanopia

42.0540, 45.5955, 20.7717

Deuteranopia

46.2280, 45.3326, 24.4027



Tritanopia

39.7472, 45.9410, 63.2725

Trichromacy



Original Color

31.7460, 45.9859, 23.4226



Protanomaly

37.4342, 45.3463, 21.8186



Deuteranomaly

39.1451, 44.3247, 23.9451



Tritanomaly

36.1920, 45.7904, 45.4590

Monochromacy



Original Color

31.7460, 45.9859, 23.4226



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.2146, 40.6543, 34.0607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7460, 45.9859, 23.4226 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(125, 198, 115)` looks like.

```
.text, #text, p{  
    color:rgb(125, 198, 115)  
}
```

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(125, 198, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 198, 115) }
```

Border

The CSS property to change the border of an element to XYZ 31.7460, 45.9859, 23.4226 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(125, 198, 115) }
```


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

```
.border{ border-color:rgb(125, 198, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 198, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 198, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 198, 115);  
box-shadow:4px 4px 4px 4px rgb(125, 198,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7460, 45.9859, 23.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 198, 115) }
```

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

```
.background{ background-color: rgb(125,  
198, 115) }
```

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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