

Converting Colors

XYZ(31.4341, 45.7758, 27.6213)

Have a look what the booklet for
XYZ(31.4341, 45.7758, 27.6213)
contains.

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Color

**XYZ(31.4265, 45.7286,
27.5922)**

Conversions

Conversions Part 1

Format	Color
Hex	75C680
RGB	117, 198, 128
RGB Percent	46%, 78%, 50%
CMY	0.5412, 0.2235, 0.4980
CMYK	0.41, 0.00, 0.35, 0.22
HSL	128°, 42%, 62%
HSV	128°, 41%, 78%
XYZ	31.4265, 45.7286, 27.5922
YIQ	165.8010, -25.8060, -38.9420

Conversions

Conversions Part 2

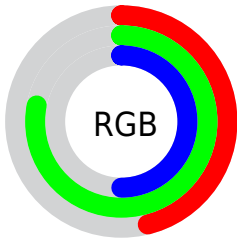
Format	Color
RYB	117, 188, 198
Decimal	7718528
CIELab	73.37, -39.47, 27.52
CIELCh	73, 48.115, 145.110
Yxy	45.7286, 0.3000, 0.4366
Android (android.graphics.Color)	4285908608 (0xFF75C680)
YUV	165.8010, -18.6359, -42.7985
Hunter-Lab	67.6229, -35.3856, 23.1439

Details

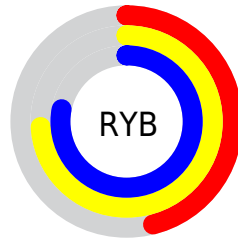
The XYZ color **31.4265, 45.7286, 27.5922** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.6211, 28.3172, 50.4457**, and the grayscale version is **36.2464, 38.1341, 41.5280**.

A 20% lighter version of the original color is **61.1137, 83.6269, 56.6366**, and **13.2475, 21.2517, 10.6115** is the 20% darker color. If you saturate the color by 10%, you get **28.0094, 44.0877, 22.0409**, and if you desaturate by 10%, it is **35.5986, 47.7394, 34.1723**.

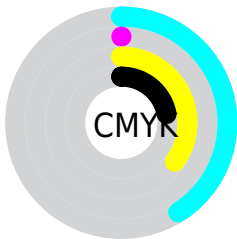
Distribution



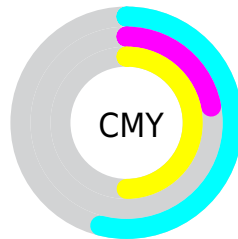
- Red (46%)
- Green (78%)
- Blue (50%)



- Red (46%)
- Yellow (74%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)





- Cyan (54%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4265, 45.7286, 27.5922 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 31.4265, 45.7286, 27.5922 by changing the saturation by 10% instead.


 31.4265, 45.7286,
27.5922


 31.4265, 45.7286,
27.5922


300.2903,
369.7165, 304.3635


 21.0772, 32.0317,
17.7821

 61.2822, 83.8127,
56.8479

 13.2933, 21.3857,
10.6259


 81.5194, 108.9687,
77.1307

 7.7092, 13.4062,
5.7049

 105.7833,
138.7131, 101.7414

 3.9597, 7.7089,
2.6006

134.4392,
173.4304, 131.0987

 1.6793, 3.9092,
0.8928

167.8525,
213.5051, 165.6209

 0.4433, 1.6229,
0.0000

206.3885,

 0.0000, 0.3730,

259.3213, 205.7268

0.0000

250.4127,
311.2637, 251.8348

■ 0.0000, 0.0000,
0.0000

■ 31.4265, 45.7286,
27.5922

■ 31.4265, 45.7286,
27.5922

■ 28.0094, 44.0877,
22.0409

■ 35.5986, 47.7394,
34.1723

■ 25.2984, 42.7886,
17.4635

■ 40.5637, 50.1347,
41.8263

■ 23.2446, 41.8087,
13.8046


■ 46.3613, 52.9353,
50.6003


■ 21.7909, 41.1198,
11.0022


■ 53.0275, 56.1589,
60.5368

■ 20.8704, 40.6889,
8.9863

■ 60.5961, 59.8219,
71.6763

 20.3915, 40.4686,
7.7667

 69.0991, 63.9401,
84.0570

 78.3444, 68.4137,
97.7052

 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.



36.9122, 45.7286, 18.3718



31.4265, 45.7286, 27.5922



29.1721, 45.7286, 45.9195

Triad

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



31.4265, 45.7286, 27.5922



42.0901, 45.7286, 112.2234



59.9419, 45.7286, 32.5041

Complementary

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



31.4265, 45.7286, 27.5922



38.6211, 28.3172, 50.4457

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.



61.7943, 45.7286, 53.8735



31.4265, 45.7286, 27.5922



50.7478, 45.7286, 105.0941

Square

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



31.4265, 45.7286, 27.5922



34.7974, 45.7286, 98.6865



58.2382, 45.7286, 81.5202



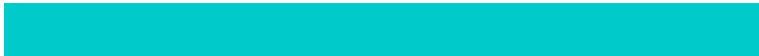
53.4611, 45.7286, 20.4941

Rectangle

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



31.4265, 45.7286, 27.5922



29.5600, 45.7286, 62.9660



58.2382, 45.7286, 81.5202



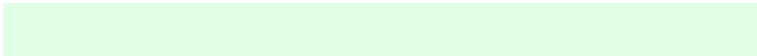
61.1595, 45.7286, 38.5948

Sweetspot

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



31.4277, 45.7305, 27.5932



80.7055, 93.0636, 87.5134



43.9493, 52.2648, 24.6017



16.9698, 19.7723, 18.2729



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.



31.4277, 45.7305, 27.5932



50.2416, 78.3770, 40.0919



34.6274, 47.0104, 44.4428



10.5552, 11.9109, 11.6076



13.2791, 26.3240, 5.1485



0.6484, 1.2543, 0.3472

Inverse Universe

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



38.6211, 28.3172, 50.4457



64.6664, 43.4134, 85.8840



34.8943, 26.8264, 30.8203



11.0187, 10.7909, 13.0820



19.9557, 9.7318, 26.0401



0.9625, 0.4678, 1.3257

Previews

White Background



This preview shows how the XYZ color 31.4265, 45.7286, 27.5922 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 31.4265, 45.7286, 27.5922 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 31.4265, 45.7286, 27.5922

Background



This preview shows how black text looks on a background with the XYZ color 31.4265, 45.7286, 27.5922.



This preview shows how white text looks on a background with the XYZ color 31.4265, 45.7286,

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

31.4265, 45.7286, 27.5922

Protanopia

41.7584, 45.0656, 24.2669

Deuteranopia

45.9196, 45.0752, 28.8344



Tritanopia

38.7695, 45.7414, 63.9123

Trichromacy



Original Color

31.4265, 45.7286, 27.5922



Protanomaly

36.8599, 44.6549, 25.4154



Deuteranomaly

38.8202, 44.0608, 28.2883



Tritanomaly

35.4385, 45.3459, 47.9591

Monochromacy



Original Color

31.4265, 45.7286, 27.5922



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.8006, 40.4037, 35.7230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4265, 45.7286, 27.5922 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(117, 198, 128)` looks like.

```
.text, #text, p{  
    color:rgb(117, 198, 128)  
}
```

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(117, 198, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 198, 128) }
```

Border

The CSS property to change the border of an element to XYZ 31.4265, 45.7286, 27.5922 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(117, 198, 128) }
```


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

```
.border{ border-color:rgb(117, 198, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 198, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 198, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 198, 128);  
box-shadow:4px 4px 4px 4px rgb(117, 198,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4265, 45.7286, 27.5922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 198, 128) }
```

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

```
.background{ background-color: rgb(117,  
198, 128) }
```

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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