

Converting Colors

XYZ(46.3735, 62.5215, 60.3396)

Have a look what the booklet for
XYZ(46.3735, 62.5215, 60.3396)
contains.

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Color

**XYZ(46.2730, 62.3125,
60.0407)**

Conversions

Conversions Part 1

Format	Color
Hex	87E0C1
RGB	135, 224, 193
RGB Percent	53%, 88%, 76%
CMY	0.4706, 0.1216, 0.2431
CMYK	0.40, 0.00, 0.14, 0.12
HSL	159°, 59%, 70%
HSV	159°, 40%, 88%
XYZ	46.2730, 62.3125, 60.0407
YIQ	193.8550, -43.0930, -28.5090

Conversions

Conversions Part 2

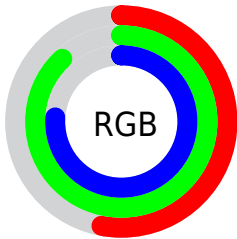
Format	Color
RYB	135, 189, 224
Decimal	8904897
CIELab	83.08, -33.73, 6.82
CIELCh	83, 34.410, 168.567
Yxy	62.3125, 0.2744, 0.3695
Android (android.graphics.Color)	4287094977 (0xFF87E0C1)
YUV	193.8550, -0.4215, -51.6158
Hunter-Lab	78.9383, -33.5067, 10.1606

Details

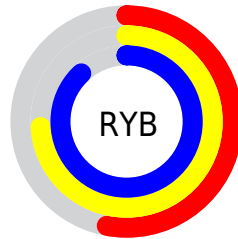
The XYZ color **46.2730, 62.3125, 60.0407** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.2896, 35.9301, 40.5744**, and the grayscale version is **51.2145, 53.8817, 58.6772**.

A 20% lighter version of the original color is **74.3447, 89.4359, 102.9670**, and **22.0445, 31.6042, 29.7493** is the 20% darker color. If you saturate the color by 10%, you get **42.1937, 60.3091, 55.4260**, and if you desaturate by 10%, it is **51.1599, 64.7301, 64.9356**.

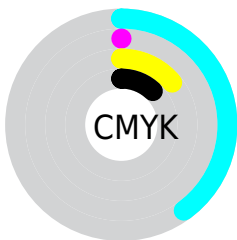
Distribution



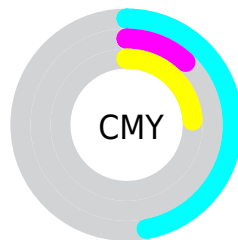
- Red (53%)
- Green (88%)
- Blue (76%)



- Red (53%)
- Yellow (74%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (14%)
- Black (12%)





- Cyan (47%)
- Magenta (12%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2730, 62.3125, 60.0407 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 46.2730, 62.3125, 60.0407 by changing the saturation by 10% instead.


 46.2730, 62.3125,
60.0407


 46.2730, 62.3125,
60.0407


362.6027,
433.0701, 442.5566


 32.6668, 45.2853,
43.0259


 83.8528, 108.1771,
106.4327

 22.0294, 31.6822,
29.5739

 108.5571,
137.7831, 136.6469

 13.9952, 21.1189,
19.2661


 137.6916,
172.3510, 172.0981

 8.1990, 13.2109,
11.6840

171.6214,
212.2650, 213.2047

 4.2754, 7.5739,
6.4089

210.7121,
257.9095, 260.3854

 1.8591, 3.8236,
3.0225

255.3290,

 0.5529, 1.5754,

309.6689, 314.0585

1.1061

305.8374,
367.9276, 374.6427

■ 0.0000, 0.3409,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2730, 62.3125,
60.0407

■ 46.2730, 62.3125,
60.0407

■ 42.1937, 60.3091,
55.4260

■ 51.1599, 64.7301,
64.9356

■ 38.8682, 58.6875,
51.0814

■ 56.8936, 67.5773,
70.1122

■ 36.2441, 57.4223,
47.0020

■ 63.5170, 70.8777,
75.5773

■ 34.2596, 56.4818,
43.1811

■ 71.0685, 74.6510,
81.3362

■ 32.8418, 55.8284,
39.6113

■ 79.5841, 78.9157,
87.3937

■ 31.8669, 55.3985,
36.2828

■ 83.5981, 80.8541,
93.4976

■ 31.8432, 55.3881,
36.1967

■ 84.7815, 81.3274,
99.7291

■ 85.9468, 81.7936,
105.8656

Harmonies

Analogous

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



49.1282, 62.3125, 44.1717



46.2730, 62.3125, 60.0407



46.6652, 62.3125, 81.7582

Triad

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



46.2730, 62.3125, 60.0407



63.9026, 62.3125, 114.6084



69.2140, 62.3125, 41.5169

Complementary

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



46.2730, 62.3125, 60.0407



46.2896, 35.9301, 40.5744

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.



73.8602, 62.3125, 55.6120



46.2730, 62.3125, 60.0407



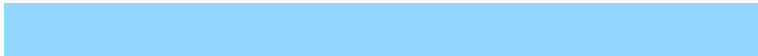
70.6209, 62.3125, 98.7570

Square

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



46.2730, 62.3125, 60.0407



56.4335, 62.3125, 116.4915



74.3957, 62.3125, 76.3038



62.1095, 62.3125, 35.0729

Rectangle

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



46.2730, 62.3125, 60.0407



48.7230, 62.3125, 96.7531



74.3957, 62.3125, 76.3038



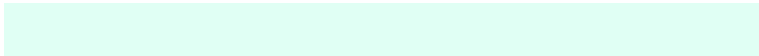
71.1397, 62.3125, 45.3623

Sweetspot

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



46.2747, 62.3150, 60.0421



83.0056, 93.9837, 99.6254



46.7882, 63.1865, 32.6529



17.5096, 19.9882, 21.1153



0.0000, 0.0000, 0.0000



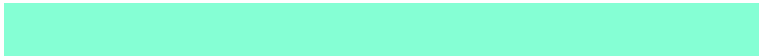
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2747, 62.3150, 60.0421



57.2994, 81.2459, 75.1901



46.6556, 56.9500, 79.0574



13.9032, 15.4870, 16.5254



18.5905, 32.2611, 21.3645



1.3304, 2.2529, 1.7010

Inverse Universe

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



46.2896, 35.9301, 40.5744



57.3340, 41.0302, 45.5771



45.7605, 38.8880, 28.0170



13.9034, 13.7790, 15.2614



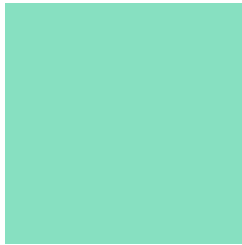
18.7433, 9.5643, 5.3142



1.3405, 0.6795, 0.5858

Previews

White Background



This preview shows how the XYZ color 46.2730, 62.3125, 60.0407 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 46.2730, 62.3125, 60.0407 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

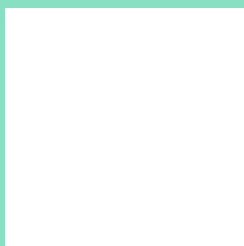
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2730, 62.3125, 60.0407

Background



This preview shows how black text looks on a background with the XYZ color 46.2730, 62.3125, 60.0407.

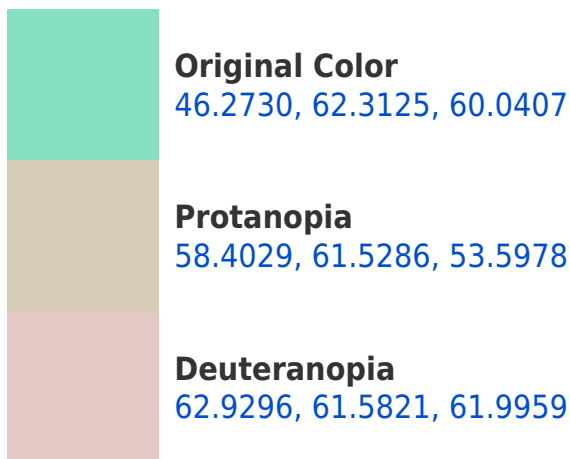


This preview shows how white text looks on a background with the XYZ color 46.2730, 62.3125, 60.0407.

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





Tritanopia

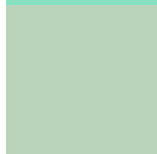
51.8888, 62.2187, 88.6315

Trichromacy



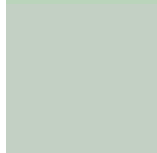
Original Color

46.2730, 62.3125, 60.0407



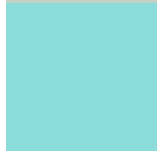
Protanomaly

52.7628, 61.1139, 56.0290



Deuteranomaly

55.0254, 60.6994, 61.0406



Tritanomaly

49.4960, 62.0164, 77.0718

Monochromacy



Original Color

46.2730, 62.3125, 60.0407



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.8025, 56.4419, 59.3612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2730, 62.3125, 60.0407 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(135, 224, 193)` looks like.

```
.text, #text, p{  
    color:rgb(135, 224, 193)  
}
```

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(135, 224, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 224, 193) }
```

Border

The CSS property to change the border of an element to XYZ 46.2730, 62.3125, 60.0407 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(135, 224, 193) }
```


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

```
.border{ border-color:rgb(135, 224, 193) }
```

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

Here you see how a box with a 4 pixel rgb(135, 224, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 224, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 224, 193);  
box-shadow:4px 4px 4px 4px rgb(135, 224,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2730, 62.3125, 60.0407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 224, 193) }
```

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

```
.background{ background-color: rgb(135,  
224, 193) }
```

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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