

Converting Colors

XYZ(46.1442, 62.9155, 66.2118)

Have a look what the booklet for
XYZ(46.1442, 62.9155, 66.2118)
contains.

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Color

**XYZ(46.1442, 62.9155,
66.2118)**

Conversions

Conversions Part 1

Format	Color
Hex	7BE2CB
RGB	123, 226, 203
RGB Percent	48%, 89%, 80%
CMY	0.5176, 0.1137, 0.2039
CMYK	0.46, 0.00, 0.10, 0.11
HSL	167°, 64%, 68%
HSV	167°, 46%, 89%
XYZ	46.1442, 62.9155, 66.2118
YIQ	192.5810, -54.0050, -28.9890

Conversions

Conversions Part 2

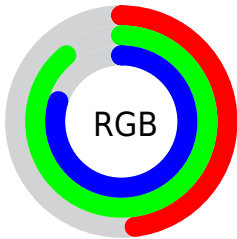
Format	Color
RYB	123, 181, 226
Decimal	8118987
CIELab	83.40, -35.47, 1.93
CIELCh	83, 35.519, 176.880
Yxy	62.9155, 0.2633, 0.3590
Android (android.graphics.Color)	4286309067 (0xFF7BE2CB)
YUV	192.5810, 5.1366, -61.0225
Hunter-Lab	79.3193, -34.9659, 6.0312

Details

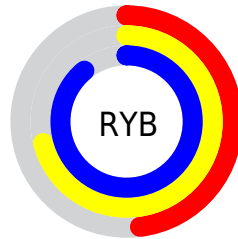
The XYZ color **46.1442, 62.9155, 66.2118** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.6374, 32.4116, 31.1524**, and the grayscale version is **50.4377, 53.0644, 57.7871**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **21.9139, 32.0094, 33.4572** is the 20% darker color. If you saturate the color by 10%, you get **42.6855, 61.2024, 62.9621**, and if you desaturate by 10%, it is **50.3723, 65.0261, 69.6025**.

Distribution



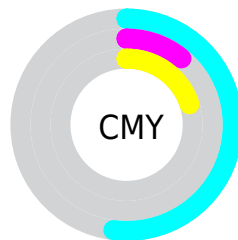
- Red (48%)
- Green (89%)
- Blue (80%)



- Red (48%)
- Yellow (71%)
- Blue (89%)



- Cyan (46%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (52%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1442, 62.9155, 66.2118 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 46.1442, 62.9155, 66.2118 by changing the saturation by 10% instead.


 46.1442, 62.9155,
66.2118


 46.1442, 62.9155,
66.2118


362.0943,
435.2628, 465.5588


 32.5647, 45.7729,
47.9868


 83.6613, 109.0476,
115.4202

 21.9508, 32.0666,
33.4565


 108.3297,
138.8058, 147.2406

 13.9372, 21.4124,
22.2024


 137.4250,
173.5381, 184.4299

 8.1584, 13.4258,
13.8060

171.3127,
213.6287, 227.4067

 4.2491, 7.7224,
7.8486

210.3582,
259.4620, 276.5894

 1.8440, 3.9178,
3.9119

254.9267,

 0.5440, 1.6277,

311.4226, 332.3967

1.5771

305.3836,
369.8947, 395.2470

■ 0.0000, 0.3762,
0.2744

■ 0.0000, 0.0000,
0.0000

■ 46.1442, 62.9155,
66.2118

■ 46.1442, 62.9155,
66.2118

■ 42.6855, 61.2024,
62.9621

■ 50.3723, 65.0261,
69.6025

■ 39.9385, 59.8524,
59.8457


■ 55.4118, 67.5511,
73.1329


■ 37.8461, 58.8377,
56.8601

■ 61.3078, 70.5154,
76.8075


■ 36.3398, 58.1229,
54.0014


■ 68.1006, 73.9397,
80.6292


 35.3351, 57.6644,
51.2644


 75.8278, 77.8433,
84.6005

 34.9878, 57.5111,
50.0889

 83.1862, 81.5544,
88.6614

 83.9189, 81.8475,
92.5199

 84.6724, 82.1489,
96.4880

 85.4470, 82.4587,
100.5666

Harmonies

Analogous

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



48.1880, 62.9155, 47.7671



46.1442, 62.9155, 66.2118



47.4904, 62.9155, 89.6226

Triad

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



46.1442, 62.9155, 66.2118



66.7786, 62.9155, 113.9524



68.2993, 62.9155, 38.6649

Complementary

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



46.1442, 62.9155, 66.2118



43.6374, 32.4116, 31.1524

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.



74.0701, 62.9155, 50.9950



46.1442, 62.9155, 66.2118



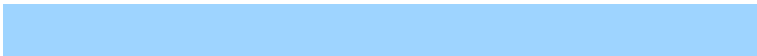
73.1403, 62.9155, 94.5126

Square

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



46.1442, 62.9155, 66.2118



58.9934, 62.9155, 120.4438



75.9130, 62.9155, 70.8491



60.6125, 62.9155, 34.1681

Rectangle

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



46.1442, 62.9155, 66.2118



50.1986, 62.9155, 104.5349



75.9130, 62.9155, 70.8491



70.5521, 62.9155, 41.8804

Sweetspot

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



46.1460, 62.9180, 66.2133



81.8565, 93.3437, 101.7207



42.8120, 62.0315, 28.4567



17.1311, 19.7832, 21.5430



0.0000, 0.0000, 0.0000



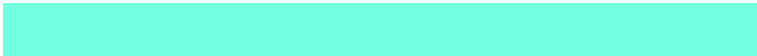
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1460, 62.9180, 66.2133



56.2085, 80.5123, 82.8710



42.2139, 50.3366, 79.4455



13.9787, 15.5172, 16.9231



20.0063, 32.8274, 28.8198



1.4194, 2.2885, 2.1695

Inverse Universe

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



43.6374, 32.4116, 31.1524



52.5361, 35.5421, 31.3144



45.9222, 39.5625, 23.9559



13.8319, 13.7504, 14.8852



18.2643, 9.3727, 2.7915



1.2996, 0.6631, 0.3707

Previews

White Background



This preview shows how the XYZ color 46.1442, 62.9155, 66.2118 looks on a white background.

Color Contrast Check

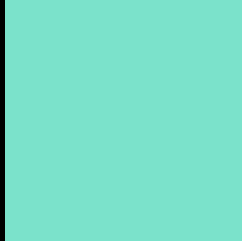
Large Text (above 18pt) WCAG AA × Fail

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 46.1442, 62.9155, 66.2118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

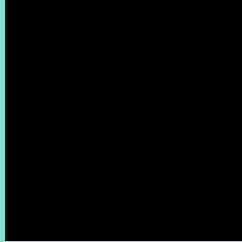
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

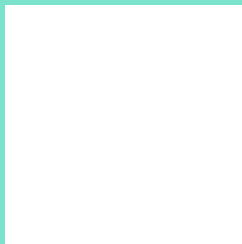
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1442, 62.9155, 66.2118

Background



This preview shows how black text looks on a background with the XYZ color 46.1442, 62.9155, 66.2118.

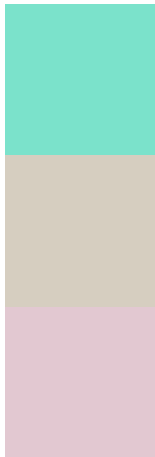


This preview shows how white text looks on a background with the XYZ color 46.1442, 62.9155,

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

46.1442, 62.9155, 66.2118

Protanopia

59.3173, 62.2445, 58.7572

Deuteranopia

63.5269, 62.0808, 68.9562



Tritanopia

51.1093, 62.9314, 91.1146

Trichromacy



Original Color

46.1442, 62.9155, 66.2118



Protanomaly

52.8141, 61.3978, 61.2919



Deuteranomaly

55.0492, 60.9247, 67.8897



Tritanomaly

49.1684, 62.9335, 81.5074

Monochromacy



Original Color

46.1442, 62.9155, 66.2118



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.0578, 56.0187, 61.1031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1442, 62.9155, 66.2118 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, 226, 203)` looks like.

```
.text, #text, p{  
    color:rgb(123, 226, 203)  
}
```

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, 226, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 226, 203) }
```

Border

The CSS property to change the border of an element to XYZ 46.1442, 62.9155, 66.2118 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, 226, 203) }
```


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

```
.border{ border-color:rgb(123, 226, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 226, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 226, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 226, 203);  
box-shadow:4px 4px 4px 4px rgb(123, 226,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1442, 62.9155, 66.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 226, 203) }
```

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

```
.background{ background-color: rgb(123,  
226, 203) }
```

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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