

Converting Colors

XYZ(42.2484, 56.6813, 61.7163)

Have a look what the booklet for
XYZ(42.2484, 56.6813, 61.7163)
contains.

XYZ(42.2636, 56.6970, 61.5394)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.2636, 56.6970,
61.5394)**

Conversions

Conversions Part 1

Format	Color
Hex	79D7C5
RGB	121, 215, 197
RGB Percent	47%, 84%, 77%
CMY	0.5255, 0.1568, 0.2274
CMYK	0.44, 0.00, 0.08, 0.16
HSL	169°, 54%, 66%
HSV	169°, 44%, 84%
XYZ	42.2636, 56.6970, 61.5394
YIQ	184.8420, -50.2460, -25.5260

Conversions

Conversions Part 2

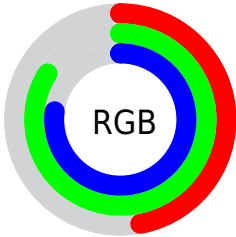
Format	Color
RYB	121, 173, 215
Decimal	7985093
CIELab	80.01, -32.20, 0.17
CIELCh	80, 32.199, 179.691
Yxy	56.6970, 0.2633, 0.3533
Android (android.graphics.Color)	4286175173 (0xFF79D7C5)
YUV	184.8420, 5.9939, -55.9894
Hunter-Lab	75.2974, -31.5804, 4.2514

Details

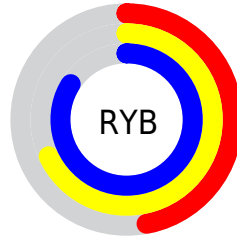
The XYZ color **42.2636, 56.6970, 61.5394** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.5238, 29.9874, 28.1332**, and the grayscale version is **46.0153, 48.4117, 52.7203**.

A 20% lighter version of the original color is **72.0095, 88.1407, 106.9835**, and **19.6431, 28.2148, 30.3973** is the 20% darker color. If you saturate the color by 10%, you get **39.1148, 55.1289, 58.9636**, and if you desaturate by 10%, it is **46.1000, 58.6209, 64.2171**.

Distribution



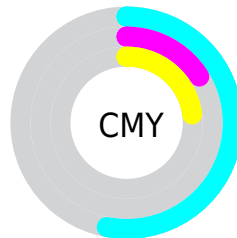
- Red (47%)
- Green (84%)
- Blue (77%)



- Red (47%)
- Yellow (68%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)



- Cyan (53%)
- Magenta (16%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2636, 56.6970, 61.5394 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 42.2636, 56.6970, 61.5394 by changing the saturation by 10% instead.

■ 42.2636, 56.6970,
61.5394

■ 42.2636, 56.6970,
61.5394

346.5476,
412.3130, 448.2102

■ 29.4998, 40.7620,
44.2272

■ 77.8611, 100.0229,
108.6247

■ 19.6054, 28.1332,
30.5107

■ 101.4254,
128.1827, 139.2349

■ 12.2151, 18.4261,
19.9712

■ 129.3207,
161.1861, 175.1149

■ 6.9636, 11.2563,
12.1902

161.9122,
199.4177, 216.6832

■ 3.4855, 6.2395,
6.7493

199.5652,
243.2618, 264.3583

■ 1.4154, 2.9913,
3.2297

242.6452,

■ 0.2671, 1.1272,

293.1028, 318.5588

1.2131

291.5176,
349.3250, 379.7033

■ 0.0000, 0.0010,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2636, 56.6970,
61.5394

■ 42.2636, 56.6970,
61.5394

■ 39.1148, 55.1289,
58.9636

■ 46.1000, 58.6209,
64.2171

■ 36.6034, 53.8866,
56.4832


■ 50.6601, 60.9149,
66.9952


■ 34.6804, 52.9460,
54.0966


■ 55.9834, 63.6009,
69.8774


■ 33.2871, 52.2771,
51.8004


■ 62.1051, 66.6970,
72.8658


 32.3523, 51.8432,
49.5909


 69.0580, 70.2200,
75.9624

 31.9246, 51.6521,
48.2438

 76.8732, 74.1860,
79.1692

 79.2448, 75.3441,
82.1916

 79.8162, 75.5727,
85.2005

 80.4013, 75.8067,
88.2814

Harmonies

Analogous

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



43.7425, 56.6970, 45.2795



42.2636, 56.6970, 61.5394



43.6835, 56.6970, 81.3516

Triad

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



42.2636, 56.6970, 61.5394



60.3625, 56.6970, 98.6140



60.4893, 56.6970, 35.5632

Complementary

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



42.2636, 56.6970, 61.5394



39.5238, 29.9874, 28.1332

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.



65.5712, 56.6970, 45.5537



42.2636, 56.6970, 61.5394



65.4940, 56.6970, 81.7565

Square

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



42.2636, 56.6970, 61.5394



53.8210, 56.6970, 105.2187



67.4713, 56.6970, 61.9278



53.9566, 56.6970, 32.2623

Rectangle

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



42.2636, 56.6970, 61.5394



46.1543, 56.6970, 93.4807



67.4713, 56.6970, 61.9278



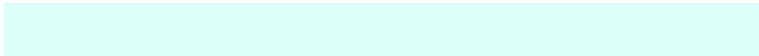
62.4425, 56.6970, 38.1357

Sweetspot

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



42.2652, 56.6993, 61.5407



82.8828, 93.8437, 103.0830



38.5349, 55.5417, 26.7798



17.3420, 19.8852, 21.8584



0.0000, 0.0000, 0.0000



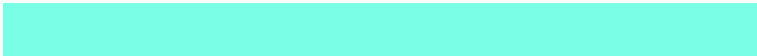
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2652, 56.6993, 61.5407



58.0704, 81.3779, 87.2197



37.8805, 44.4290, 70.8716



12.6855, 14.0652, 15.4240



19.1315, 30.9079, 29.0517



1.1807, 1.8749, 1.8935

Inverse Universe

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



39.5238, 29.9874, 28.1332



53.5778, 37.4091, 32.3285



42.2565, 37.3875, 23.0795



12.5195, 12.4593, 13.4098



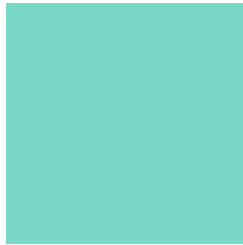
17.0325, 8.7493, 2.2094



1.0565, 0.5394, 0.2868

Previews

White Background



This preview shows how the XYZ color 42.2636, 56.6970, 61.5394 looks on a white background.

Color Contrast Check

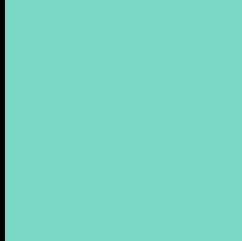
Large Text (above 18pt) WCAG AA × Fail

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 42.2636, 56.6970, 61.5394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

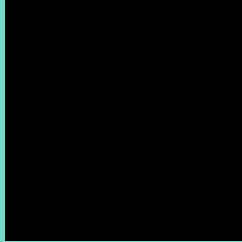
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

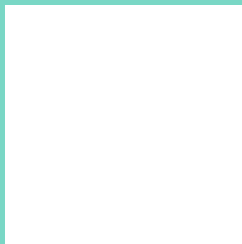
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2636, 56.6970, 61.5394

Background



This preview shows how black text looks on a background with the XYZ color 42.2636, 56.6970, 61.5394.

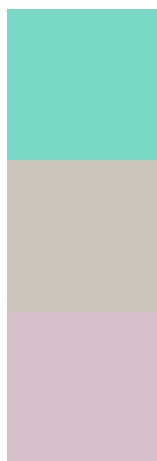


This preview shows how white text looks on a background with the XYZ color 42.2636, 56.6970,

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

42.2636, 56.6970, 61.5394

Protanopia

53.3382, 55.7642, 54.9661

Deuteranopia

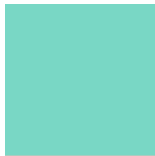
57.0230, 55.8220, 63.6464



Tritanopia

46.2127, 56.8017, 81.2012

Trichromacy



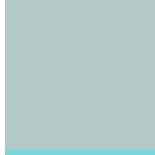
Original Color

42.2636, 56.6970, 61.5394



Protanomaly

47.9935, 55.3577, 57.4458



Deuteranomaly

49.9020, 55.1820, 62.6647



Tritanomaly

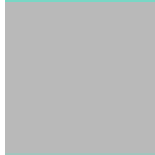
44.5423, 56.4805, 73.5199

Monochromacy



Original Color

42.2636, 56.6970, 61.5394



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.8255, 50.8354, 55.6465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2636, 56.6970, 61.5394 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(121, 215, 197)` looks like.

```
.text, #text, p{  
    color:rgb(121, 215, 197)  
}
```

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(121, 215, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 215, 197) }
```

Border

The CSS property to change the border of an element to XYZ 42.2636, 56.6970, 61.5394 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(121, 215, 197) }
```


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

```
.border{ border-color:rgb(121, 215, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 215, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 215, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 215, 197); box-shadow:4px 4px 4px 4px rgb(121, 215, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2636, 56.6970, 61.5394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 215, 197) }
```

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

```
.background{ background-color: rgb(121,  
215, 197) }
```

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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