

Converting Colors

XYZ(42.7213, 62.1788, 84.2465)

Have a look what the booklet for
XYZ(42.7213, 62.1788, 84.2465)
contains.

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Color

**XYZ(42.6556, 61.9340,
84.5692)**

Conversions

Conversions Part 1

Format	Color
Hex	17E5E6
RGB	23, 229, 230
RGB Percent	9%, 90%, 90%
CMY	0.9097, 0.1019, 0.0980
CMYK	0.90, 0.00, 0.00, 0.10
HSL	180°, 82%, 50%
HSV	180°, 90%, 90%
XYZ	42.6556, 61.9340, 84.5692
YIQ	167.5200, -123.0970, -43.3610

Conversions

Conversions Part 2

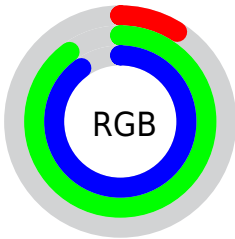
Format	Color
R _Y B	23, 126, 230
Decimal	1566182
CIE Lab	82.88, -43.39, -13.36
CIE LCh	83, 45.401, 197.118
Yxy	61.9340, 0.2255, 0.3274
Android (android.graphics.Color)	4279756262 (0xFF17E5E6)
YUV	167.5200, 30.8026, -126.7440
Hunter-Lab	78.6982, -40.9721, -8.6244

Details

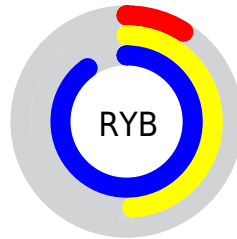
The XYZ color **42.6556, 61.9340, 84.5692** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.1159, 17.5398, 2.4524**, and the grayscale version is **36.8870, 38.8080, 42.2619**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **22.6814, 32.9823, 45.7282** is the 20% darker color. If you saturate the color by 10%, you get **42.2731, 61.6926, 84.5439**, and if you desaturate by 10%, it is **43.4623, 62.3968, 84.6172**.

Distribution



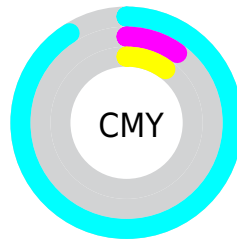
- Red (9%)
- Green (90%)
- Blue (90%)



- Red (9%)
- Yellow (49%)
- Blue (90%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (91%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6556, 61.9340, 84.5692 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 42.6556, 61.9340, 84.5692 by changing the saturation by 10% instead.

42.6556, 61.9340,
84.5692

42.6556, 61.9340,
84.5692

348.1391,
431.6903, 530.3089

29.8083, 44.9794,
62.9374

78.4498, 107.6301,
141.6399

19.8405, 31.4412,
45.3499

102.1275,
137.1404, 177.9159

12.3867, 20.9350,
31.3882

130.1461,
171.6047, 219.9104

7.0817, 13.0765,
20.6337

162.8708,
211.4075, 268.0419

3.5600, 7.4813,
12.6679

200.6672,
256.9330, 322.7290

1.4564, 3.7649,
7.0722

243.9004,

0.2959, 1.5429,

308.5657, 384.3901

3.4282

292.9359,
366.6900, 453.4439

■ 0.0000, 0.3186,
1.3172

■ 0.0000, 0.0000,
0.0758

■ 42.6556, 61.9340,
84.5692

■ 42.6556, 61.9340,
84.5692

■ 42.2731, 61.6926,
84.5439

■ 43.4623, 62.3968,
84.6172

■ 42.2727, 61.6923,
84.5439

■ 44.8214, 63.1430,
84.6896

■ 46.8124, 64.2151,
84.7916

■ 49.5009, 65.6467,
84.9262

■ 52.9438, 67.4673,
85.0961

■ 57.1925, 69.7033,
85.3038

■ 62.2938, 72.3789,
85.5514

■ 68.2910, 75.5163,
85.8409

■ 75.2243, 79.1364,
86.1742

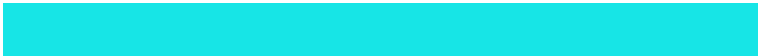
Harmonies

Analogous

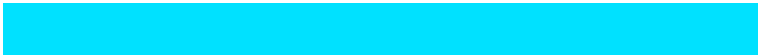
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.3660, 61.9340, 56.1228



42.6556, 61.9340, 84.5692



46.9702, 61.9340, 115.1197

Triad

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



42.6556, 61.9340, 84.5692



73.7553, 61.9340, 111.1446



63.1610, 61.9340, 27.3695

Complementary

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



42.6556, 61.9340, 84.5692



33.1159, 17.5398, 2.4524

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.



72.6186, 61.9340, 35.1596



42.6556, 61.9340, 84.5692



79.1757, 61.9340, 80.1748

Square

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



42.6556, 61.9340, 84.5692



64.5790, 61.9340, 133.1436



78.7380, 61.9340, 52.7881



53.5010, 61.9340, 27.9383

Rectangle

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



42.6556, 61.9340, 84.5692



51.8502, 61.9340, 130.2483



78.7380, 61.9340, 52.7881



66.4886, 61.9340, 28.9809

Sweetspot

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



42.6575, 61.9363, 84.5707



73.9903, 88.9862, 107.8841



28.8063, 56.8390, 10.2651



15.3946, 18.8144, 23.0701



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.



42.6575, 61.9363, 84.5707



53.4189, 77.9578, 106.8396



22.1643, 20.9500, 77.7396



14.8012, 16.3239, 18.5150



23.9349, 34.9318, 47.8642



1.7706, 2.5852, 3.5376

Inverse Universe

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



47.0840, 23.0947, 76.1073



59.0926, 28.4010, 95.9405



40.3157, 31.9395, 4.8524



14.9920, 14.6140, 18.1583



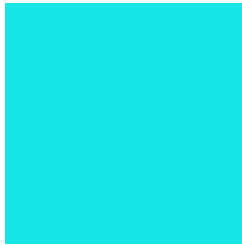
26.4747, 12.7241, 42.9904



1.9574, 0.9407, 3.1820

Previews

White Background



This preview shows how the XYZ color 42.6556, 61.9340, 84.5692 looks on a white background.

Color Contrast Check

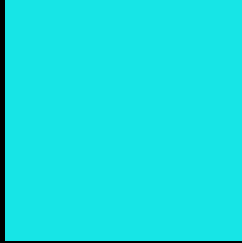
Large Text (above 18pt) WCAG AA × Fail

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 42.6556, 61.9340, 84.5692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

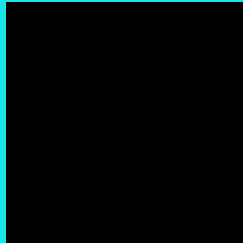
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

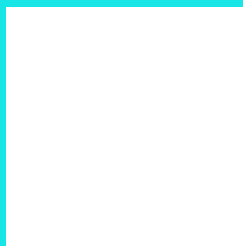
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6556, 61.9340, 84.5692

Background



This preview shows how black text looks on a background with the XYZ color 42.6556, 61.9340, 84.5692.



This preview shows how white text looks on a background with the XYZ color 42.6556, 61.9340,

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

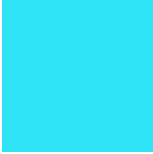
42.6556, 61.9340, 84.5692

Protanopia

58.6704, 60.5460, 72.2126

Deuteranopia

62.0040, 60.5166, 88.5337



Tritanopia

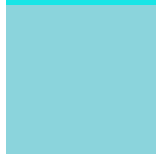
45.0327, 62.0886, 95.9970

Trichromacy



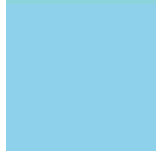
Original Color

42.6556, 61.9340, 84.5692



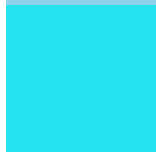
Protanomaly

47.1092, 57.7432, 76.3728



Deuteranomaly

48.8824, 57.6964, 86.4021



Tritanomaly

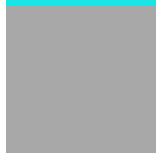
44.2345, 62.1714, 92.1070

Monochromacy



Original Color

42.6556, 61.9340, 84.5692



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.8877, 44.2333, 55.9893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6556, 61.9340, 84.5692 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(23, 229, 230)` looks like.

```
.text, #text, p{  
    color:rgb(23, 229, 230)  
}
```

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(23, 229, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 229, 230) }
```

Border

The CSS property to change the border of an element to XYZ 42.6556, 61.9340, 84.5692 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(23, 229, 230) }
```


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

```
.border{ border-color:rgb(23, 229, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 229, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(23, 229, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(23, 229, 230); box-shadow:4px 4px 4px 4px rgb(23, 229, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6556, 61.9340, 84.5692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 229, 230) }
```

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

```
.background{ background-color: rgb(23, 229,  
230) }
```

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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