

Converting Colors

XYZ(42.1493, 56.0827, 72.3008)

Have a look what the booklet for
XYZ(42.1493, 56.0827, 72.3008)
contains.

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Color

**XYZ(42.1280, 56.0123,
72.2094)**

Conversions

Conversions Part 1

Format	Color
Hex	6AD6D6
RGB	106, 214, 214
RGB Percent	42%, 84%, 84%
CMY	0.5843, 0.1608, 0.1608
CMYK	0.50, 0.00, 0.00, 0.16
HSL	180°, 57%, 63%
HSV	180°, 50%, 84%
XYZ	42.1280, 56.0123, 72.2094
YIQ	181.7080, -64.3680, -22.8960

Conversions

Conversions Part 2

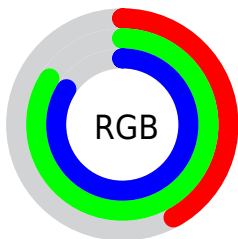
Format	Color
RYB	106, 160, 214
Decimal	7001814
CIELab	79.62, -30.93, -9.55
CIELCh	80, 32.374, 197.153
Yxy	56.0123, 0.2473, 0.3288
Android (android.graphics.Color)	4285191894 (0xFF6AD6D6)
YUV	181.7080, 15.9200, -66.3959
Hunter-Lab	74.8414, -30.4952, -4.8160

Details

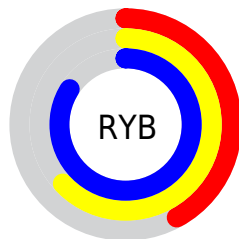
The XYZ color **42.1280, 56.0123, 72.2094** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.4890, 25.6465, 16.7174**, and the grayscale version is **44.2474, 46.5517, 50.6948**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **19.5312, 27.7506, 37.1279** is the 20% darker color. If you saturate the color by 10%, you get **39.8957, 54.8628, 72.1059**, and if you desaturate by 10%, it is **44.9982, 57.4932, 72.3452**.

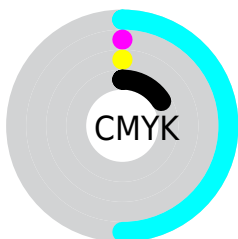
Distribution



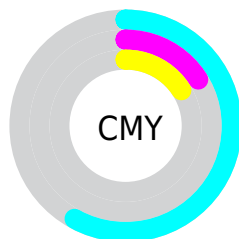
- Red (42%)
- Green (84%)
- Blue (84%)



- Red (42%)
- Yellow (63%)
- Blue (84%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1280, 56.0123, 72.2094 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 42.1280, 56.0123, 72.2094 by changing the saturation by 10% instead.

■ 42.1280, 56.0123,
72.2094

■ 42.1280, 56.0123,
72.2094

345.9959,
409.7378, 487.2672

■ 29.3931, 40.2128,
52.8419

■ 77.6573, 99.0226,
124.0647

■ 19.5242, 27.7045,
37.2897

■ 101.1823,
127.0021, 157.3895

■ 12.1559, 18.1030,
25.1343

■ 129.0348,
159.8104, 196.2039

■ 6.9229, 11.0240,
15.9572

161.5800,
197.8320, 240.9263

■ 3.4598, 6.0830,
9.3399

199.1834,
241.4511, 291.9753

■ 1.4013, 2.8956,
4.8637

242.2103,

■ 0.2572, 1.0775,

291.0522, 349.7694

2.1102

291.0260,
347.0196, 414.7272

■ 0.0000, 0.0000,
0.6218

■ 0.0000, 0.0000,
0.0000

■ 42.1280, 56.0123,
72.2094

■ 42.1280, 56.0123,
72.2094

■ 39.8957, 54.8628,
72.1059

■ 44.9982, 57.4932,
72.3452

■ 38.2481, 54.0134,
72.0285


■ 48.5443, 59.3213,
72.5114


■ 37.1319, 53.4380,
71.9761


■ 52.8075, 61.5191,
72.7112


■ 36.4818, 53.1029,
71.9454


■ 57.8241, 64.1052,
72.9462


 36.1850, 52.9499,
71.9312

 63.6280, 67.0972,
73.2181

 70.2510, 70.5115,
73.5283

 77.4256, 74.2101,
73.8644

 77.4256, 74.2101,
73.8646

 77.4257, 74.2102,
73.8649

Harmonies

Analogous

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



41.9197, 56.0123, 53.3428



42.1280, 56.0123, 72.2094



45.1543, 56.0123, 91.3040

Triad

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



42.1280, 56.0123, 72.2094



62.9756, 56.0123, 88.8289



56.0765, 56.0123, 32.2373

Complementary

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



42.1280, 56.0123, 72.2094



35.4890, 25.6465, 16.7174

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.



62.2331, 56.0123, 38.2567



42.1280, 56.0123, 72.2094



66.4297, 56.0123, 69.3305

Square

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



42.1280, 56.0123, 72.2094



57.0242, 56.0123, 102.1628



66.1474, 56.0123, 50.9936



49.6232, 56.0123, 32.6962

Rectangle

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



42.1280, 56.0123, 72.2094



48.5141, 56.0123, 100.4505



66.1474, 56.0123, 50.9936



58.2591, 56.0123, 33.5084

Sweetspot

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



42.1297, 56.0145, 72.2107



82.3509, 93.4534, 108.3051



32.8099, 52.3115, 22.0049



17.2905, 19.8297, 23.1660



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.



42.1297, 56.0145, 72.2107



59.0044, 81.4179, 107.2107



30.9683, 33.6914, 68.4915



12.7922, 14.1079, 15.9863



21.8707, 32.0036, 43.4762



1.3191, 1.9303, 2.6223

Inverse Universe

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



35.4890, 25.6465, 16.7174



48.0184, 31.1787, 15.4054



42.5961, 39.8608, 19.0859



12.4233, 12.4208, 12.9034



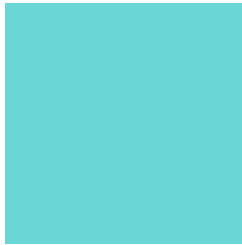
16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 42.1280, 56.0123, 72.2094 looks on a white background.

Color Contrast Check

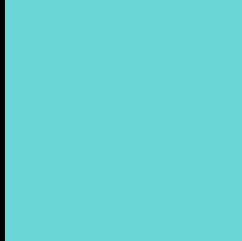
Large Text (above 18pt) WCAG AA × Fail

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 42.1280, 56.0123, 72.2094 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

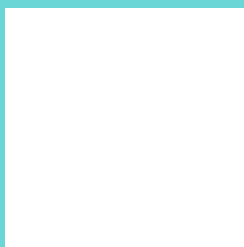
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1280, 56.0123, 72.2094

Background



This preview shows how black text looks on a background with the XYZ color 42.1280, 56.0123, 72.2094.



This preview shows how white text looks on a background with the XYZ color 42.1280, 56.0123,

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

42.1280, 56.0123, 72.2094

Protanopia

53.4645, 55.3002, 63.7332

Deuteranopia

56.3188, 55.2134, 74.7068



Tritanopia

44.2419, 56.1236, 82.6299

Trichromacy



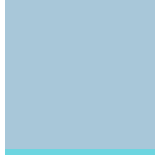
Original Color

42.1280, 56.0123, 72.2094



Protanomaly

47.7782, 54.6966, 66.4318



Deuteranomaly

49.0963, 54.1814, 73.5161



Tritanomaly

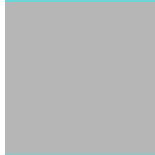
43.5555, 56.2215, 79.0772

Monochromacy



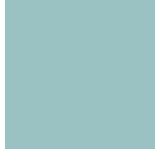
Original Color

42.1280, 56.0123, 72.2094



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

42.3558, 49.3486, 58.3318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1280, 56.0123, 72.2094 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(106, 214, 214)` looks like.

```
.text, #text, p{  
    color:rgb(106, 214, 214)  
}
```

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(106, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 214, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.1280, 56.0123, 72.2094 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(106, 214, 214) }
```


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

```
.border{ border-color:rgb(106, 214, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 214, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(106, 214,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1280, 56.0123, 72.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 214, 214) }
```

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

```
.background{ background-color: rgb(106,  
214, 214) }
```

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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