

Converting Colors

XYZ(44.7291, 56.6626, 72.3134)

Have a look what the booklet for
XYZ(44.7291, 56.6626, 72.3134)
contains.

XYZ(44.7343, 56.6091, 72.1872)	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(44.7343, 56.6091,
72.1872)**

Conversions

Conversions Part 1

Format	Color
Hex	81D4D6
RGB	129, 212, 214
RGB Percent	51%, 83%, 84%
CMY	0.4941, 0.1686, 0.1608
CMYK	0.40, 0.01, 0.00, 0.16
HSL	181°, 51%, 67%
HSV	181°, 40%, 84%
XYZ	44.7343, 56.6091, 72.1872
YIQ	187.4110, -50.1100, -16.9740

Conversions

Conversions Part 2

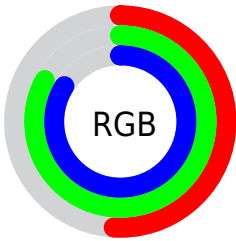
Format	Color
R_{YB}	129, 171, 214
Decimal	8508630
CIE _{Lab}	79.96, -24.69, -8.95
CIE _{LCh}	80, 26.259, 199.920
Yxy	56.6091, 0.2578, 0.3262
Android (android.graphics.Color)	4286698710 (0xFF81D4D6)
YUV	187.4110, 13.1084, -51.2264
Hunter-Lab	75.2390, -25.5389, -4.2178

Details

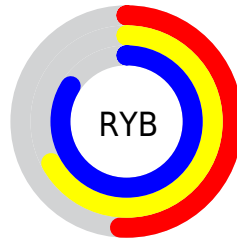
The XYZ color **44.7343, 56.6091, 72.1872** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.8111, 32.1144, 24.8705**, and the grayscale version is **47.4161, 49.8854, 54.3252**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **21.0626, 28.0336, 37.1018** is the 20% darker color. If you saturate the color by 10%, you get **41.6928, 54.8562, 72.0101**, and if you desaturate by 10%, it is **48.4602, 58.7182, 72.3989**.

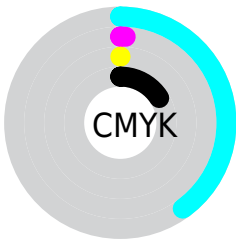
Distribution



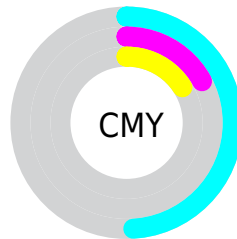
- Red (51%)
- Green (83%)
- Blue (84%)



- Red (51%)
- Yellow (67%)
- Blue (84%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)



- Cyan (49%)
- Magenta (17%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7343, 56.6091, 72.1872 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 44.7343, 56.6091, 72.1872 by changing the saturation by 10% instead.

■ 44.7343, 56.6091,
72.1872

■ 44.7343, 56.6091,
72.1872

356.4982,
411.9829, 487.1880

■ 31.4486, 40.6915,
52.8238

■ 81.5611, 99.8946,
124.0328

■ 21.0942, 28.0781,
37.2754

■ 105.8329,
128.0313, 157.3522

■ 13.3057, 18.3845,
25.1233

■ 134.4974,
161.0097, 196.1606

■ 7.7178, 11.2264,
15.9491

167.9199,
199.2144, 240.8767

■ 3.9652, 6.2193,
9.3342

206.4660,
243.0296, 291.9189

■ 1.6825, 2.9789,
4.8600

250.5008,

■ 0.4453, 1.1207,

292.8399, 349.7058

2.1081

300.3897,
349.0295, 414.6560

■ 0.0000, 0.0000,
0.6206

■ 0.0000, 0.0000,
0.0000

■ 44.7343, 56.6091,
72.1872

■ 44.7343, 56.6091,
72.1872

■ 41.6928, 54.8562,
72.0101

■ 48.4602, 58.7182,
72.3989

■ 39.2880, 53.4306,
71.8617

■ 52.9047, 61.1969,
72.6431

■ 37.4737, 52.3101,
71.7411

■ 58.1055, 64.0662,
72.9228

■ 36.1956, 51.4666,
71.6456

■ 64.0965, 67.3433,
73.2396

■ 35.3893, 50.8669,
71.5724

■ 70.9093, 71.0447,
73.5950

■ 34.9423, 50.4530,
71.5160

■ 77.6837, 74.7270,
73.9486

■ 34.9313, 50.4421,
71.5145

■ 77.8120, 74.9835,
73.9914

■ 77.9407, 75.2409,
74.0343

■ 78.0698, 75.4991,
74.0773

Harmonies

Analogous

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



44.3333, 56.6091, 56.6422



44.7343, 56.6091, 72.1872



47.4732, 56.6091, 86.9309

Triad

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



44.7343, 56.6091, 72.1872



62.0332, 56.6091, 82.5310



55.6189, 56.6091, 37.0223

Complementary

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



44.7343, 56.6091, 72.1872



39.8111, 32.1144, 24.8705

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.



60.6767, 56.6091, 41.7985



44.7343, 56.6091, 72.1872



64.5385, 56.6091, 66.9186

Square

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



44.7343, 56.6091, 72.1872



57.3727, 56.6091, 93.5526



64.0263, 56.6091, 52.1696



50.3888, 56.6091, 37.9576

Rectangle

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



44.7343, 56.6091, 72.1872



50.3630, 56.6091, 93.5154



64.0263, 56.6091, 52.1696



57.4009, 56.6091, 37.9780

Sweetspot

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



44.7360, 56.6113, 72.1885



84.4456, 94.1933, 108.3381



37.1583, 54.3843, 29.8060



17.8502, 20.0375, 23.1768



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.



44.7360, 56.6113, 72.1885



62.5089, 81.8723, 107.1161



35.5824, 38.3042, 69.1373



12.7660, 14.0554, 15.9776



21.1248, 30.5114, 43.2290



1.2823, 1.8565, 2.6101

Inverse Universe

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



47.4668, 34.7515, 66.4957



67.1631, 44.9618, 97.3365



46.6227, 45.7376, 27.1411



12.9398, 12.6274, 15.6234



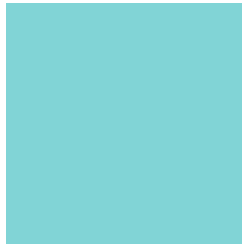
23.7217, 11.4250, 37.4340



1.4349, 0.6907, 2.2794

Previews

White Background



This preview shows how the XYZ color 44.7343, 56.6091, 72.1872 looks on a white background.

Color Contrast Check

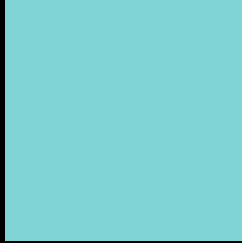
Large Text (above 18pt) WCAG AA × Fail

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 44.7343, 56.6091, 72.1872 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 44.7343, 56.6091, 72.1872

Background



This preview shows how black text looks on a background with the XYZ color 44.7343, 56.6091, 72.1872.

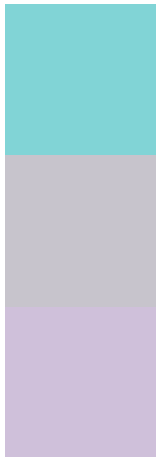


This preview shows how white text looks on a background with the XYZ color 44.7343, 56.6091,

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

44.7343, 56.6091, 72.1872

Protanopia

54.1922, 55.9816, 65.0760

Deuteranopia

57.2367, 56.0266, 74.1272



Tritanopia

46.5846, 56.6258, 81.1476

Trichromacy



Original Color

44.7343, 56.6091, 72.1872

Protanomaly

49.9613, 55.7938, 67.8105

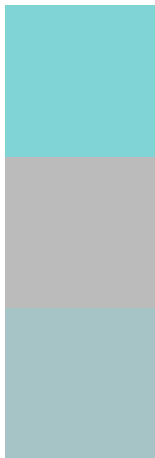
Deuteranomaly

51.5382, 55.4403, 73.6303

Tritanomaly

45.9948, 56.7680, 77.6404

Monochromacy



Original Color

44.7343, 56.6091, 72.1872

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.5439, 51.6181, 60.3862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7343, 56.6091, 72.1872 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(129, 212, 214)` looks like.

```
.text, #text, p{  
    color:rgb(129, 212, 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(129, 212, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 212, 214) }
```

Border

The CSS property to change the border of an element to XYZ 44.7343, 56.6091, 72.1872 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(129, 212, 214) }
```


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

```
.border{ border-color:rgb(129, 212, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 212, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 212, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 212, 214);  
box-shadow:4px 4px 4px 4px rgb(129, 212,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7343, 56.6091, 72.1872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 212, 214) }
```

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

```
.background{ background-color: rgb(129,  
212, 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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