

Converting Colors

XYZ(40.9099, 56.1404, 72.2983)

Have a look what the booklet for
XYZ(40.9099, 56.1404, 72.2983)
contains.

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Color

**XYZ(40.9099, 56.1404,
72.2983)**

Conversions

Conversions Part 1

Format	Color
Hex	5AD8D6
RGB	90, 216, 214
RGB Percent	35%, 85%, 84%
CMY	0.6470, 0.1529, 0.1608
CMYK	0.58, 0.00, 0.01, 0.15
HSL	179°, 62%, 60%
HSV	179°, 58%, 85%
XYZ	40.9099, 56.1404, 72.2983
YIQ	178.0980, -74.4540, -27.3340

Conversions

Conversions Part 2

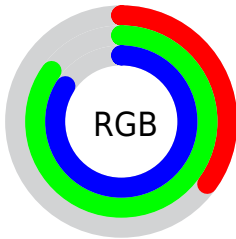
Format	Color
RYB	90, 154, 216
Decimal	5953750
CIELab	79.69, -34.96, -9.49
CIELCh	80, 36.225, 195.194
Yxy	56.1404, 0.2416, 0.3315
Android (android.graphics.Color)	4284143830 (0xFF5AD8D6)
YUV	178.0980, 17.6997, -77.2619
Hunter-Lab	74.9269, -33.6615, -4.7612

Details

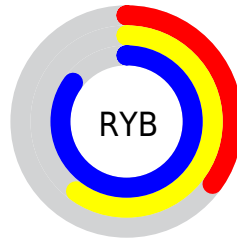
The XYZ color **40.9099, 56.1404, 72.2983** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.9087, 22.6857, 12.7187**, and the grayscale version is **42.3079, 44.5112, 48.4727**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **19.0029, 27.9929, 37.2025** is the 20% darker color. If you saturate the color by 10%, you get **39.0630, 55.1946, 71.9845**, and if you desaturate by 10%, it is **43.3706, 57.4051, 72.6438**.

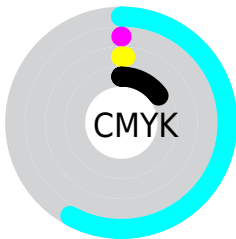
Distribution



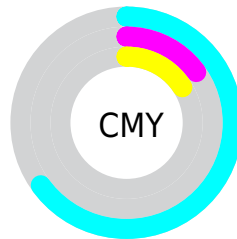
- Red (35%)
- Green (85%)
- Blue (84%)



- Red (35%)
- Yellow (60%)
- Blue (85%)



- Cyan (58%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)



- Cyan (65%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9099, 56.1404, 72.2983 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 40.9099, 56.1404, 72.2983 by changing the saturation by 10% instead.

40.9099, 56.1404,
72.2983

40.9099, 56.1404,
72.2983

341.0129,
410.2204, 487.5846

28.4360, 40.3155,
52.9141

75.8227, 99.2098,
124.1922

18.7967, 27.7846,
37.3469

98.9923, 127.2231,
157.5390

11.6266, 18.1634,
25.1783

126.4579,
160.0681, 196.3770

6.5604, 11.0673,
15.9897

158.5848,
198.1290, 241.1247

3.2326, 6.1121,
9.3626

195.7384,
241.7903, 292.2009

1.2779, 2.9134,
4.8784

238.2841,

0.1666, 1.0867,

291.4363, 350.0239

2.1186

286.5871,
347.4516, 415.0123

■ 0.0000, 0.0000,
0.6268

■ 0.0000, 0.0000,
0.0000

■ 40.9099, 56.1404,
72.2983

■ 40.9099, 56.1404,
72.2983

■ 39.0630, 55.1946,
71.9845

■ 43.3706, 57.4051,
72.6438

■ 37.7704, 54.5333,
71.6959

■ 46.4880, 59.0071,
73.0192

■ 36.9694, 54.1254,
71.4308

■ 50.3071, 60.9709,
73.4280

■ 36.5650, 53.9220,
71.1848

■ 54.8675, 63.3167,
73.8719

■ 36.5126, 53.8958,
71.1444

■ 60.2057, 66.0636,
74.3528

■ 66.3560, 69.2291,
74.8721

■ 73.3506, 72.8298,
75.4314

■ 78.2882, 75.3701,
75.8949

■ 78.3329, 75.3879,
76.1299

Harmonies

Analogous

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



40.8893, 56.1404, 51.4045



40.9099, 56.1404, 72.2983



44.0529, 56.1404, 94.3745

Triad

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



40.9099, 56.1404, 72.2983



63.9687, 56.1404, 94.1178



57.0338, 56.1404, 29.8794

Complementary

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



40.9099, 56.1404, 72.2983



33.9087, 22.6857, 12.7187

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.



63.8929, 56.1404, 36.7800



40.9099, 56.1404, 72.2983



68.1383, 56.1404, 72.0049

Square

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



40.9099, 56.1404, 72.2983



57.1297, 56.1404, 108.7973



68.1094, 56.1404, 51.1708



49.7594, 56.1404, 29.9231

Rectangle

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



40.9099, 56.1404, 72.2983



47.6761, 56.1404, 105.4431



68.1094, 56.1404, 51.1708



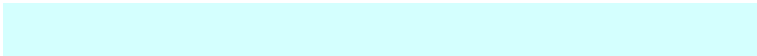
59.4781, 56.1404, 31.3795

Sweetspot

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



40.9116, 56.1425, 72.2996



80.7499, 92.6408, 107.6530



30.8267, 52.1325, 18.1121



16.9706, 19.6678, 23.0129



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.



40.9116, 56.1425, 72.2996



56.3771, 80.1157, 104.7242



28.3510, 30.6096, 69.3820



12.7833, 14.1043, 15.9392



21.6151, 31.9014, 42.1303



1.3065, 1.9253, 2.5558

Inverse Universe

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



33.9087, 22.6857, 12.7187



45.2826, 27.0675, 10.2993



41.2169, 37.4404, 14.7286



12.4312, 12.4240, 12.9449



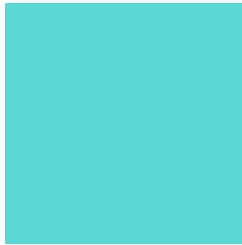
16.7768, 8.6470, 0.8628



1.0148, 0.5227, 0.0672

Previews

White Background



This preview shows how the XYZ color 40.9099, 56.1404, 72.2983 looks on a white background.

Color Contrast Check

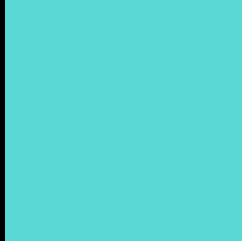
Large Text (above 18pt) WCAG AA × Fail

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 40.9099, 56.1404, 72.2983 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

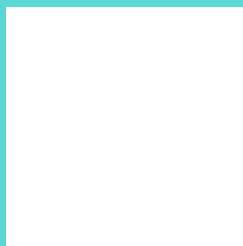
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9099, 56.1404, 72.2983

Background



This preview shows how black text looks on a background with the XYZ color 40.9099, 56.1404, 72.2983.

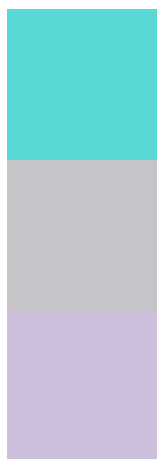


This preview shows how white text looks on a background with the XYZ color 40.9099, 56.1404,

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

40.9099, 56.1404, 72.2983

Protanopia

53.3464, 55.2530, 63.1116

Deuteranopia

56.3188, 55.2134, 74.7068



Tritanopia

43.1478, 55.8994, 84.1168

Trichromacy



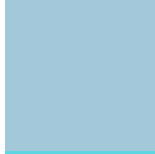
Original Color

40.9099, 56.1404, 72.2983



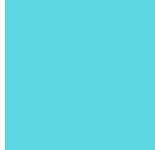
Protanomaly

46.7946, 54.5390, 66.4533



Deuteranomaly

48.2829, 54.1048, 73.5441



Tritanomaly

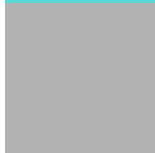
42.2533, 55.9091, 79.7987

Monochromacy



Original Color

40.9099, 56.1404, 72.2983



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.1077, 47.5719, 56.3586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9099, 56.1404, 72.2983 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(90, 216, 214)` looks like.

```
.text, #text, p{  
    color:rgb(90, 216, 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(90, 216, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 216, 214) }
```

Border

The CSS property to change the border of an element to XYZ 40.9099, 56.1404, 72.2983 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(90, 216, 214) }
```


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

```
.border{ border-color:rgb(90, 216, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 216, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 216, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 216, 214);  
box-shadow:4px 4px 4px 4px rgb(90, 216,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9099, 56.1404, 72.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 216, 214) }
```

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

```
.background{ background-color: rgb(90, 216,  
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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