

Converting Colors

XYZ(47.3445, 55.3970, 73.0286)

Have a look what the booklet for
XYZ(47.3445, 55.3970, 73.0286)
contains.

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Color

**XYZ(47.3629, 55.3928,
73.1613)**

Conversions

Conversions Part 1

Format	Color
Hex	99CDD8
RGB	153, 205, 216
RGB Percent	60%, 80%, 85%
CMY	0.4000, 0.1961, 0.1529
CMYK	0.29, 0.05, 0.00, 0.15
HSL	190°, 45%, 72%
HSV	190°, 29%, 85%
XYZ	47.3629, 55.3928, 73.1613
YIQ	190.7060, -34.5230, -7.6030

Conversions

Conversions Part 2

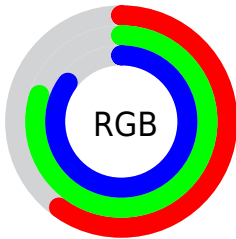
Format	Color
R _{YB}	153, 181, 216
Decimal	10079704
CIE _{Lab}	79.27, -14.23, -10.92
CIE _{LCh}	79, 17.938, 217.503
Yxy	55.3928, 0.2692, 0.3149
Android (android.graphics.Color)	4288269784 (0xFF99CDD8)
YUV	190.7060, 12.4699, -33.0682
Hunter-Lab	74.4263, -16.6535, -6.1838

Details

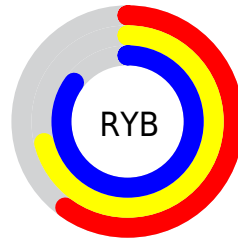
The XYZ color **47.3629, 55.3928, 73.1613** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.3449, 43.4504, 36.0298**, and the grayscale version is **49.2968, 51.8641, 56.4800**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **22.7552, 27.4158, 37.8107** is the 20% darker color. If you saturate the color by 10%, you get **42.7585, 51.6975, 72.6916**, and if you desaturate by 10%, it is **52.7303, 59.5164, 73.6753**.

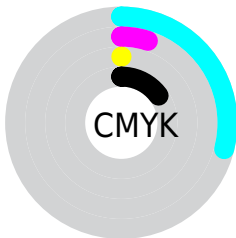
Distribution



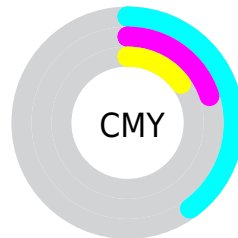
- Red (60%)
- Green (80%)
- Blue (85%)



- Red (60%)
- Yellow (71%)
- Blue (85%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)



- Cyan (40%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3629, 55.3928, 73.1613 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 47.3629, 55.3928, 73.1613 by changing the saturation by 10% instead.

■ 47.3629, 55.3928,
73.1613

■ 47.3629, 55.3928,
73.1613

366.8860,
407.3992, 490.6594

■ 33.5318, 39.7163,
53.6152

■ 85.4705, 98.1162,
125.4292

■ 22.6953, 27.3174,
37.9031

■ 110.4777,
125.9319, 158.9881

■ 14.4881, 17.8118,
25.6062

139.9410,
158.5629, 198.0551

■ 8.5449, 10.8149,
16.3062

174.2257,
196.3934, 243.0487

■ 4.5003, 5.9425,
9.5844

213.6972,
239.8079, 294.3873

■ 1.9889, 2.8102,
5.0223

258.7209,

■ 0.6277, 1.0334,

289.1907, 352.4896

2.2014

309.6620,
344.9264, 417.7742

■ 0.0000, 0.0000,
0.6752

■ 0.0000, 0.0000,
0.0000

■ 47.3629, 55.3928,
73.1613

■ 47.3629, 55.3928,
73.1613

■ 42.7585, 51.6975,
72.6916

■ 52.7303, 59.5164,
73.6753

■ 38.8722, 48.4031,
72.2606

■ 58.8928, 64.0810,
74.2315

■ 35.6618, 45.4890,
71.8673

■ 65.8865, 69.1069,
74.8330

■ 33.0788, 42.9299,
71.5095

■ 73.7439, 74.6109,
75.4813

■ 31.0677, 40.6970,
71.1845

■ 80.2522, 79.4526,
76.0728

■ 29.5633, 38.7564,
70.8892

■ 81.2760, 81.5003,
76.4141

■ 28.4592, 37.0532,
70.6187

■ 82.3225, 83.5933,
76.7629

■ 28.3738, 36.9159,
70.5967

■ 83.3917, 85.7317,
77.1193

■ 84.4839, 87.9160,
77.4833

Harmonies

Analogous

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



46.1004, 55.3928, 62.9306



47.3629, 55.3928, 73.1613



50.0530, 55.3928, 80.4743

Triad

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



47.3629, 55.3928, 73.1613



59.2847, 55.3928, 68.1948



51.7534, 55.3928, 42.7666

Complementary

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



47.3629, 55.3928, 73.1613



47.3449, 43.4504, 36.0298

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.



55.3337, 55.3928, 43.8366



47.3629, 55.3928, 73.1613



59.7905, 55.3928, 57.7697

Square

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



47.3629, 55.3928, 73.1613



56.9626, 55.3928, 77.3873



58.3149, 55.3928, 49.0651



48.5593, 55.3928, 45.9558

Rectangle

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



47.3629, 55.3928, 73.1613



52.3492, 55.3928, 82.2876



58.3149, 55.3928, 49.0651



52.9504, 55.3928, 42.6471

Sweetspot

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



47.3646, 55.3950, 73.1626



85.8401, 93.3746, 108.1066



44.3497, 58.5474, 43.8504



18.0749, 19.7680, 23.1129



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.



47.3646, 55.3950, 73.1626



64.7130, 77.2790, 106.1133



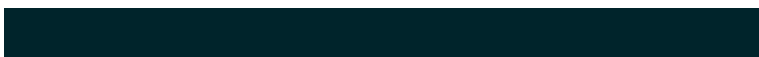
40.6689, 42.0037, 70.9307



12.5992, 13.7218, 15.9220



16.8649, 21.9916, 41.8091



1.0668, 1.4256, 2.5383

Inverse Universe

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



50.7310, 41.7906, 63.1526



70.4729, 54.6985, 88.8303



53.5849, 55.9302, 38.1098



12.8556, 12.5938, 15.1800



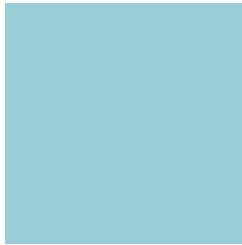
21.5715, 10.5649, 26.1113



1.3261, 0.6472, 1.7067

Previews

White Background



This preview shows how the XYZ color 47.3629, 55.3928, 73.1613 looks on a white background.

Color Contrast Check

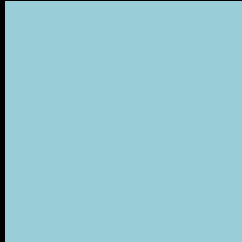
Large Text (above 18pt) WCAG AA × Fail

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 47.3629, 55.3928, 73.1613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

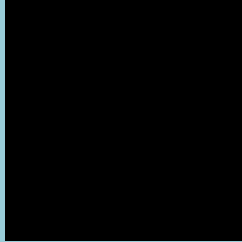
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3629, 55.3928, 73.1613

Background



This preview shows how black text looks on a background with the XYZ color 47.3629, 55.3928, 73.1613.



This preview shows how white text looks on a background with the XYZ color 47.3629, 55.3928,

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

47.3629, 55.3928, 73.1613

Protanopia

53.3061, 54.7891, 68.0874

Deuteranopia

56.3188, 55.2134, 74.7068



Tritanopia

47.9704, 55.2762, 76.5477

Trichromacy



Original Color

47.3629, 55.3928, 73.1613

Protanomaly

50.9001, 54.8449, 70.1908

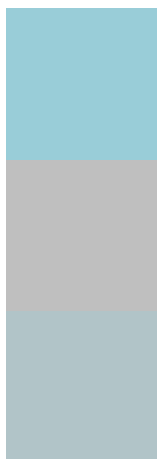
Deuteranomaly

52.4024, 54.8561, 74.1561

Tritanomaly

47.7055, 55.1702, 75.1524

Monochromacy



Original Color

47.3629, 55.3928, 73.1613

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.2967, 52.9971, 62.3275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3629, 55.3928, 73.1613 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(153, 205, 216)` looks like.

```
.text, #text, p{  
    color:rgb(153, 205, 216)  
}
```

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(153, 205, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 205, 216) }
```

Border

The CSS property to change the border of an element to XYZ 47.3629, 55.3928, 73.1613 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(153, 205, 216) }
```


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

```
.border{ border-color:rgb(153, 205, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 205, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 205, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 205, 216); box-shadow:4px 4px 4px 4px rgb(153, 205, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3629, 55.3928, 73.1613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 205, 216) }
```

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

```
.background{ background-color: rgb(153,  
205, 216) }
```

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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