

Converting Colors

XYZ(39.7794, 47.4858, 72.6863)

Have a look what the booklet for
XYZ(39.7794, 47.4858, 72.6863)
contains.

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Color

**XYZ(39.7627, 47.3606,
72.6914)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC1D9
RGB	123, 193, 217
RGB Percent	48%, 76%, 85%
CMY	0.5176, 0.2431, 0.1490
CMYK	0.43, 0.11, 0.00, 0.15
HSL	195°, 55%, 67%
HSV	195°, 43%, 85%
XYZ	39.7627, 47.3606, 72.6914
YIQ	174.8060, -49.4240, -7.3760

Conversions

Conversions Part 2

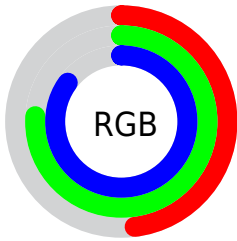
Format	Color
R _{YB}	123, 163, 217
Decimal	8110553
CIE Lab	74.42, -15.79, -18.90
CIE LCh	74, 24.629, 230.129
Yxy	47.3606, 0.2488, 0.2963
Android (android.graphics.Color)	4286300633 (0xFF7BC1D9)
YUV	174.8060, 20.8016, -45.4339
Hunter-Lab	68.8190, -17.2985, -14.4528

Details

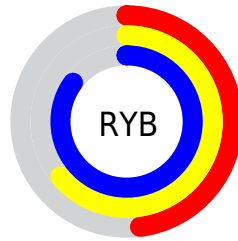
The XYZ color **39.7627, 47.3606, 72.6914** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.6251, 37.0501, 23.6450**, and the grayscale version is **40.5627, 42.6751, 46.4732**.

A 20% lighter version of the original color is **70.8260, 85.1749, 107.3152**, and **18.0689, 22.2672, 37.5281** is the 20% darker color. If you saturate the color by 10%, you get **35.7942, 43.5315, 72.1623**, and if you desaturate by 10%, it is **44.4681, 51.6397, 73.2702**.

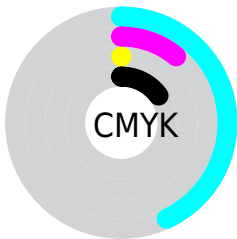
Distribution



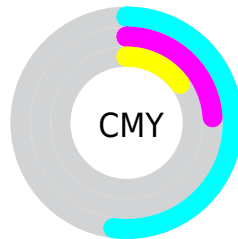
- Red (48%)
- Green (76%)
- Blue (85%)



- Red (48%)
- Yellow (64%)
- Blue (85%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (52%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7627, 47.3606, 72.6914 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 39.7627, 47.3606, 72.6914 by changing the saturation by 10% instead.

■ 39.7627, 47.3606,
72.6914

■ 39.7627, 47.3606,
72.6914

336.2740,
376.2521, 488.9866

■ 27.5370, 33.3208,
53.2334

■ 74.0887, 86.2516,
124.7559

■ 18.1156, 22.3723,
37.6001

■ 96.9196, 111.8717,
158.1994

■ 11.1332, 14.1307,
25.3730

■ 124.0163,
142.1206, 197.1418

■ 6.2244, 8.2116,
16.1337

155.7442,
177.3828, 242.0017

■ 3.0240, 4.2307,
9.4634

192.4685,
218.0426, 293.1976

■ 1.1665, 1.8034,
4.9437

234.5547,

■ 0.0796, 0.4893,

264.4845, 351.1480

2.1561

282.3680,
317.0929, 416.2715

■ 0.0000, 0.0000,
0.6489

■ 0.0000, 0.0000,
0.0000

■ 39.7627, 47.3606,
72.6914

■ 39.7627, 47.3606,
72.6914

■ 35.7942, 43.5315,
72.1623

■ 44.4681, 51.6397,
73.2702

■ 32.5116, 40.1224,
71.6773

■ 49.9481, 56.3860,
73.8975

■ 29.8644, 37.1074,
71.2349

■ 56.2431, 61.6220,
74.5764

■ 27.7924, 34.4549,
70.8321

■ 63.3895, 67.3672,
75.3086

■ 26.2233, 32.1267,
70.4654

■ 71.4211, 73.6396,
76.0960

■ 25.3744, 30.7096,
70.2366

■ 80.3700, 80.4565,
76.9402

■ 82.5605, 83.8617,
77.4820

■ 84.1428, 87.0263,
78.0094

■ 85.7746, 90.2900,
78.5534

Harmonies

Analogous

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



37.4682, 47.3606, 60.4437



39.7627, 47.3606, 72.6914



43.5676, 47.3606, 79.5881

Triad

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



39.7627, 47.3606, 72.6914



53.9566, 47.3606, 55.8721



42.1415, 47.3606, 31.8557

Complementary

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



39.7627, 47.3606, 72.6914



42.6251, 37.0501, 23.6450

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.



46.4938, 47.3606, 31.0424



39.7627, 47.3606, 72.6914



53.5123, 47.3606, 43.6060

Square

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



39.7627, 47.3606, 72.6914



51.8872, 47.3606, 68.8759



50.7102, 47.3606, 34.9925



38.7778, 47.3606, 37.4330

Rectangle

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



39.7627, 47.3606, 72.6914



46.5323, 47.3606, 79.5627



50.7102, 47.3606, 34.9925



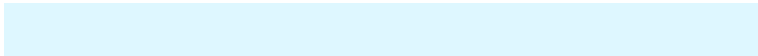
43.5307, 47.3606, 31.0560

Sweetspot

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



39.7642, 47.3624, 72.6925



81.2475, 88.9644, 107.4974



38.2097, 55.9286, 36.1813



16.9343, 18.6682, 22.9607



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.



39.7642, 47.3624, 72.6925



52.0279, 63.1771, 104.0600



31.0502, 29.9344, 69.7878



13.1488, 14.2374, 16.7072



15.4490, 18.7674, 42.5466



1.0684, 1.3509, 2.7789

Inverse Universe

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



45.3251, 32.7692, 54.3902



61.3194, 40.5058, 73.0955



51.3721, 54.5443, 26.5607



13.4650, 13.2151, 15.7098



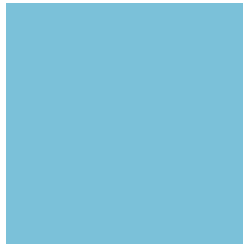
21.2933, 10.5183, 21.7222



1.4136, 0.6951, 1.5868

Previews

White Background



This preview shows how the XYZ color 39.7627, 47.3606, 72.6914 looks on a white background.

Color Contrast Check

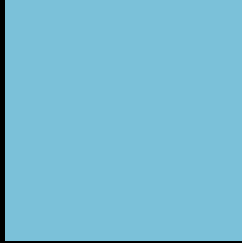
Large Text (above 18pt) WCAG AA × Fail

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 39.7627, 47.3606, 72.6914 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 39.7627, 47.3606, 72.6914

Background



This preview shows how black text looks on a background with the XYZ color 39.7627, 47.3606, 72.6914.



This preview shows how white text looks on a background with the XYZ color 39.7627, 47.3606,

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

39.7627, 47.3606, 72.6914

Protanopia

46.1640, 46.9983, 66.9601

Deuteranopia

47.8947, 46.8319, 74.2253



Tritanopia

38.8098, 47.3017, 68.0574

Trichromacy



Original Color

39.7627, 47.3606, 72.6914

Protanomaly

43.1373, 46.6195, 69.0122

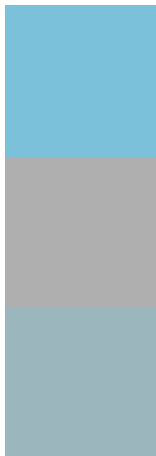
Deuteranomaly

44.2169, 46.4550, 73.6541

Tritanomaly

39.3281, 47.5252, 70.0513

Monochromacy



Original Color

39.7627, 47.3606, 72.6914

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.7325, 44.2415, 55.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7627, 47.3606, 72.6914 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(123, 193, 217)` looks like.

```
.text, #text, p{  
    color:rgb(123, 193, 217)  
}
```

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(123, 193, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 193, 217) }
```

Border

The CSS property to change the border of an element to XYZ 39.7627, 47.3606, 72.6914 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(123, 193, 217) }
```


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

```
.border{ border-color:rgb(123, 193, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 193, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 193, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 193, 217);  
box-shadow:4px 4px 4px 4px rgb(123, 193,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7627, 47.3606, 72.6914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 193, 217) }
```

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

```
.background{ background-color: rgb(123,  
193, 217) }
```

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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