

Converting Colors

XYZ(37.2475, 43.2169, 79.1150)

Have a look what the booklet for
XYZ(37.2475, 43.2169, 79.1150)
contains.

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Color

**XYZ(37.2775, 43.3698,
79.0795)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB9E3
RGB	107, 185, 227
RGB Percent	42%, 73%, 89%
CMY	0.5804, 0.2745, 0.1098
CMYK	0.53, 0.19, 0.00, 0.11
HSL	201°, 68%, 65%
HSV	201°, 53%, 89%
XYZ	37.2775, 43.3698, 79.0795
YIQ	166.4660, -59.9700, -3.4740

Conversions

Conversions Part 2

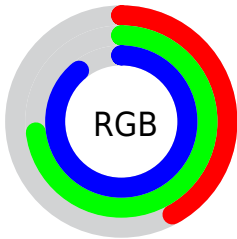
Format	Color
RYB	107, 154, 227
Decimal	7059939
CIELab	71.81, -12.48, -28.39
CIELCh	72, 31.009, 246.272
Yxy	43.3698, 0.2334, 0.2715
Android (android.graphics.Color)	4285250019 (0xFF6BB9E3)
YUV	166.4660, 29.8433, -52.1517
Hunter-Lab	65.8558, -14.2080, -25.0963

Details

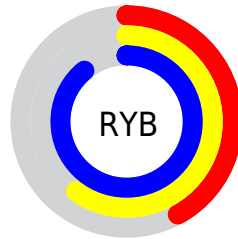
The XYZ color **37.2775, 43.3698, 79.0795** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.0811, 38.8888, 19.0417**, and the grayscale version is **36.3531, 38.2463, 41.6503**.

A 20% lighter version of the original color is **65.0223, 78.1299, 106.2613**, and **16.5982, 19.9564, 41.5052** is the 20% darker color. If you saturate the color by 10%, you get **33.2824, 38.9122, 78.4305**, and if you desaturate by 10%, it is **42.0846, 48.3856, 79.7951**.

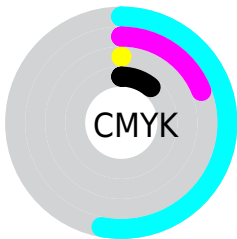
Distribution



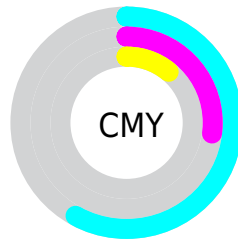
- Red (42%)
- Green (73%)
- Blue (89%)



- Red (42%)
- Yellow (60%)
- Blue (89%)



- Cyan (53%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (58%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2775, 43.3698, 79.0795 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 37.2775, 43.3698, 79.0795 by changing the saturation by 10% instead.

■ 37.2775, 43.3698,
79.0795

■ 37.2775, 43.3698,
79.0795

325.8451,
360.1304, 511.4500

■ 25.5971, 30.1754,
58.4395

■ 70.3104, 80.2686,
133.8705

■ 16.6536, 19.9717,
41.7450

■ 92.3937, 104.7418,
168.8585

■ 10.0816, 12.3745,
28.5776

■ 118.6752,
133.7433, 209.4662

■ 5.5158, 6.9993,
18.5187

149.5204,
167.6576, 256.1122

■ 2.5908, 3.4616,
11.1497

185.2947,
206.8691, 309.2151

■ 0.9413, 1.3772,
6.0522

226.3633,

■ 0.0000, 0.1999,

251.7621, 369.1933

2.8075

273.0916,
302.7211, 436.4654

■ 0.0000, 0.0000,
0.9972

■ 0.0000, 0.0000,
0.0000

■ 37.2775, 43.3698,
79.0795

■ 37.2775, 43.3698,
79.0795

■ 33.2824, 38.9122,
78.4305

■ 42.0846, 48.3856,
79.7951

■ 30.0362, 34.9755,
77.8417

■ 47.7520, 53.9841,
80.5770

■ 27.4726, 31.5241,
77.3106

■ 54.3290, 60.1938,
81.4289

■ 25.5102, 28.5136,
76.8330

■ 61.8598, 67.0394,
82.3534

■ 24.3849, 26.5854,
76.5201

■ 70.3856, 74.5443,
83.3526

■ 79.9451, 82.7303,
84.4288

■ 86.4476, 89.4907,
85.3910

■ 88.8460, 94.2876,
86.1905

■ 90.8653, 98.3261,
86.8636

Harmonies

Analogous

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



33.5807, 43.3698, 66.5540



37.2775, 43.3698, 79.0795



42.3385, 43.3698, 82.3375

Triad

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



37.2775, 43.3698, 79.0795



52.1357, 43.3698, 44.1227



35.5132, 43.3698, 27.4785

Complementary

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



37.2775, 43.3698, 79.0795



45.0811, 38.8888, 19.0417

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.



40.1247, 43.3698, 23.8526



37.2775, 43.3698, 79.0795



49.9419, 43.3698, 32.0514

Square

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



37.2775, 43.3698, 79.0795



51.2104, 43.3698, 59.8878



45.4347, 43.3698, 25.3276



32.6244, 43.3698, 36.4817

Rectangle

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



37.2775, 43.3698, 79.0795



45.8711, 43.3698, 78.3143



45.4347, 43.3698, 25.3276



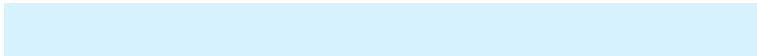
36.8976, 43.3698, 25.6887

Sweetspot

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



37.2789, 43.3714, 79.0805



77.2125, 84.2913, 106.8080



38.8003, 60.1716, 37.1748



16.0879, 17.6440, 22.8076



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.



37.2789, 43.3714, 79.0805



43.0733, 50.3606, 102.0581



27.5194, 23.8523, 75.8274



14.3607, 15.4428, 18.3682



14.3345, 15.7311, 44.6641



1.1456, 1.3351, 3.3293

Inverse Universe

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



45.6944, 30.3505, 49.3504



55.5563, 33.4408, 57.4212



56.6463, 62.0193, 22.8968



14.7696, 14.5250, 16.9874



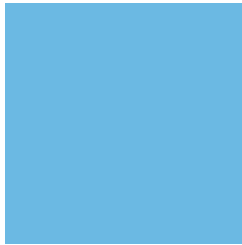
21.6289, 10.7858, 17.4726



1.6419, 0.8145, 1.5206

Previews

White Background



This preview shows how the XYZ color 37.2775, 43.3698, 79.0795 looks on a white background.

Color Contrast Check

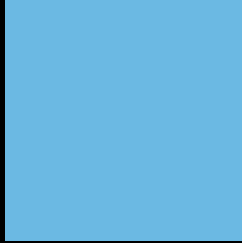
Large Text (above 18pt) WCAG AA × Fail

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 37.2775, 43.3698, 79.0795 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 37.2775, 43.3698, 79.0795

Background



This preview shows how black text looks on a background with the XYZ color 37.2775, 43.3698, 79.0795.



This preview shows how white text looks on a background with the XYZ color 37.2775, 43.3698,

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

37.2775, 43.3698, 79.0795

Protanopia

43.0396, 42.8941, 73.0288

Deuteranopia

43.9357, 42.8996, 80.8277



Tritanopia

34.2423, 43.4075, 63.7005

Trichromacy



Original Color

37.2775, 43.3698, 79.0795

Protanomaly

40.2346, 42.5578, 75.2011

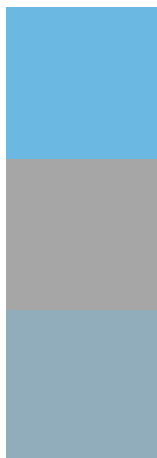
Deuteranomaly

41.0203, 42.8522, 80.2380

Tritanomaly

35.3464, 43.5447, 68.8294

Monochromacy



Original Color

37.2775, 43.3698, 79.0795

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.6977, 39.5377, 53.3270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2775, 43.3698, 79.0795 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(107, 185, 227)` looks like.

```
.text, #text, p{  
    color:rgb(107, 185, 227)  
}
```

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(107, 185, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 185, 227) }
```

Border

The CSS property to change the border of an element to XYZ 37.2775, 43.3698, 79.0795 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(107, 185, 227) }
```


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

```
.border{ border-color:rgb(107, 185, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 185, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 185, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 185, 227); box-shadow:4px 4px 4px 4px rgb(107, 185, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2775, 43.3698, 79.0795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 185, 227) }
```

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

```
.background{ background-color: rgb(107,  
185, 227) }
```

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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