

Converting Colors

XYZ(47.2489, 54.4665, 75.1777)

Have a look what the booklet for
XYZ(47.2489, 54.4665, 75.1777)
contains.

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Color

**XYZ(47.2790, 54.5986,
75.0646)**

Conversions

Conversions Part 1

Format	Color
Hex	99CBDB
RGB	153, 203, 219
RGB Percent	60%, 80%, 86%
CMY	0.4000, 0.2039, 0.1412
CMYK	0.30, 0.07, 0.00, 0.14
HSL	195°, 48%, 73%
HSV	195°, 30%, 86%
XYZ	47.2790, 54.5986, 75.0646
YIQ	189.8740, -34.9360, -5.6240

Conversions

Conversions Part 2

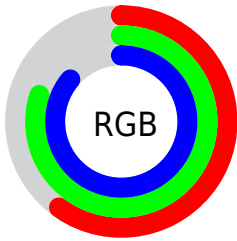
Format	Color
R _{YB}	153, 181, 219
Decimal	10079195
CIE Lab	78.81, -12.49, -13.22
CIE LCh	79, 18.186, 226.610
Yxy	54.5986, 0.2672, 0.3086
Android (android.graphics.Color)	4288269275 (0xFF99CBDB)
YUV	189.8740, 14.3591, -32.3385
Hunter-Lab	73.8909, -15.0960, -8.5082

Details

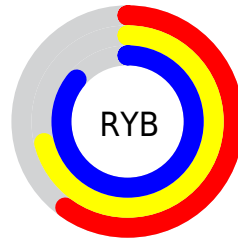
The XYZ color **47.2790, 54.5986, 75.0646** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.1520, 45.7366, 36.3758**, and the grayscale version is **48.8068, 51.3485, 55.9185**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **22.7038, 26.8846, 39.1146** is the 20% darker color. If you saturate the color by 10%, you get **42.2869, 50.1970, 74.4790**, and if you desaturate by 10%, it is **53.0760, 59.4815, 75.7025**.

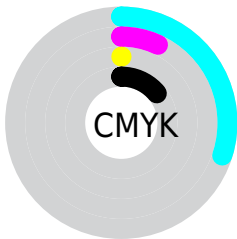
Distribution



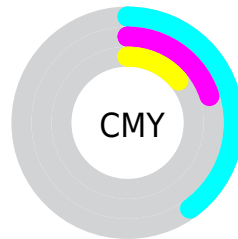
- Red (60%)
- Green (80%)
- Blue (86%)



- Red (60%)
- Yellow (71%)
- Blue (86%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (14%)



- Cyan (40%)
- Magenta (20%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2790, 54.5986, 75.0646 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 47.2790, 54.5986, 75.0646 by changing the saturation by 10% instead.

■ 47.2790, 54.5986,
75.0646

■ 47.2790, 54.5986,
75.0646

366.5574,
404.3886, 497.4009

■ 33.4651, 39.0804,
55.1638

■ 85.3461, 96.9526,
128.1517

■ 22.6439, 26.8223,
39.1334

■ 110.3301,
124.5572, 162.1751

■ 14.4501, 17.4398,
26.5549

139.7682,
156.9594, 201.7431

■ 8.5181, 10.5486,
17.0097

174.0257,
194.5437, 247.2742

■ 4.4828, 5.7642,
10.0794

213.4681,
237.6943, 299.1870

■ 1.9787, 2.7022,
5.3453

258.4606,

■ 0.6220, 0.9783,

286.7957, 357.9001

2.3890

309.3686,
342.2324, 423.8318

■ 0.0000, 0.0000,
0.7805

■ 0.0000, 0.0000,
0.0000

■ 47.2790, 54.5986,
75.0646

■ 47.2790, 54.5986,
75.0646

■ 42.2869, 50.1970,
74.4790

■ 53.0760, 59.4815,
75.7025

■ 38.0527, 46.2479,
73.9400

■ 59.7116, 64.8597,
76.3908

■ 34.5321, 42.7292,
73.4463

■ 67.2238, 70.7548,
77.1328

■ 31.6739, 39.6138,
72.9956

■ 75.6465, 77.1849,
77.9300

■ 29.4197, 36.8709,
72.5850

■ 82.1971, 82.7160,
78.6523

■ 27.7003, 34.4641,
72.2111

■ 83.6931, 85.7081,
79.1510

■ 26.4074, 32.3565,
71.8724

■ 85.2346, 88.7909,
79.6648

■ 86.8217, 91.9652,
80.1939

■ 88.4550, 95.2317,
80.7383

Harmonies

Analogous

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



45.5344, 54.5986, 65.3028



47.2790, 54.5986, 75.0646



50.3064, 54.5986, 80.9153

Triad

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



47.2790, 54.5986, 75.0646



58.9301, 54.5986, 64.1628



49.9390, 54.5986, 42.3899

Complementary

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



47.2790, 54.5986, 75.0646



49.1520, 45.7366, 36.3758

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.



53.5153, 54.5986, 42.1600



47.2790, 54.5986, 75.0646



58.8205, 54.5986, 53.9552

Square

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



47.2790, 54.5986, 75.0646



57.0936, 54.5986, 74.1473



56.8007, 54.5986, 46.1641



47.0207, 54.5986, 46.8334

Rectangle

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



47.2790, 54.5986, 75.0646



52.6959, 54.5986, 81.4168



56.8007, 54.5986, 46.1641



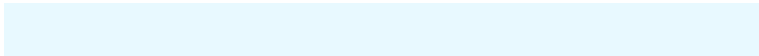
51.1009, 54.5986, 41.8368

Sweetspot

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



47.2807, 54.6008, 75.0659



85.3559, 92.4060, 107.9451



45.5748, 60.2786, 46.4757



17.9550, 19.5282, 23.0729



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.



47.2807, 54.6008, 75.0659



62.2629, 73.1629, 105.4480



40.4118, 40.8631, 72.7762



13.1636, 14.2669, 16.7121



15.7475, 19.3644, 42.6461



1.0856, 1.3853, 2.7846

Inverse Universe

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



51.3855, 42.1558, 61.9308



69.0447, 53.3943, 83.5693



55.9443, 59.3212, 38.6399



13.4724, 13.2181, 15.7490



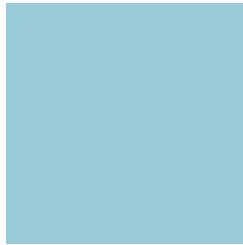
21.4439, 10.5786, 22.5155



1.4222, 0.6985, 1.6324

Previews

White Background



This preview shows how the XYZ color 47.2790, 54.5986, 75.0646 looks on a white background.

Color Contrast Check

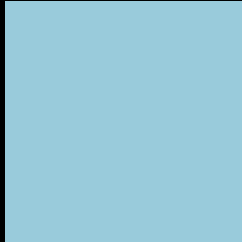
Large Text (above 18pt) WCAG AA × Fail

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 47.2790, 54.5986, 75.0646 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 47.2790, 54.5986, 75.0646

Background



This preview shows how black text looks on a background with the XYZ color 47.2790, 54.5986, 75.0646.



This preview shows how white text looks on a background with the XYZ color 47.2790, 54.5986,

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

47.2790, 54.5986, 75.0646

Protanopia

53.0725, 54.2815, 70.6309

Deuteranopia

55.4177, 54.3802, 76.6828



Tritanopia

47.2790, 54.5986, 75.0646

Trichromacy



Original Color

47.2790, 54.5986, 75.0646

Protanomaly

50.5921, 54.3038, 72.1052

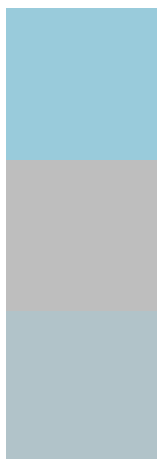
Deuteranomaly

52.0947, 54.3180, 76.1453

Tritanomaly

47.2790, 54.5986, 75.0646

Monochromacy



Original Color

47.2790, 54.5986, 75.0646

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.1892, 52.5944, 62.8702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2790, 54.5986, 75.0646 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, 203, 219)` looks like.

```
.text, #text, p{  
    color:rgb(153, 203, 219)  
}
```

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, 203, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 203, 219) }
```

Border

The CSS property to change the border of an element to XYZ 47.2790, 54.5986, 75.0646 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, 203, 219) }
```


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

```
.border{ border-color:rgb(153, 203, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 203, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 203, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 203, 219);  
box-shadow:4px 4px 4px 4px rgb(153, 203,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2790, 54.5986, 75.0646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 203, 219) }
```

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

```
.background{ background-color: rgb(153,  
203, 219) }
```

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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