

Converting Colors

XYZ(42.6576, 53.7429, 77.6611)

Have a look what the booklet for
XYZ(42.6576, 53.7429, 77.6611)
contains.

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Color

**XYZ(42.5715, 53.5308,
77.9008)**

Conversions

Conversions Part 1

Format	Color
Hex	72CFDF
RGB	114, 207, 223
RGB Percent	45%, 81%, 87%
CMY	0.5529, 0.1882, 0.1255
CMYK	0.49, 0.07, 0.00, 0.13
HSL	189°, 63%, 66%
HSV	189°, 49%, 87%
XYZ	42.5715, 53.5308, 77.9008
YIQ	181.0170, -60.5640, -14.7400

Conversions

Conversions Part 2

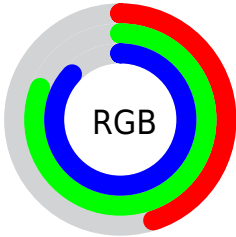
Format	Color
RYB	114, 164, 223
Decimal	7524319
CIELab	78.19, -23.42, -16.49
CIElCh	78, 28.643, 215.140
Yxy	53.5308, 0.2447, 0.3076
Android (android.graphics.Color)	4285714399 (0xFF72CFDF)
YUV	181.0170, 20.6976, -58.7739
Hunter-Lab	73.1647, -24.1766, -11.9126

Details

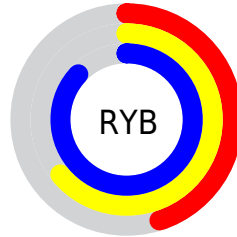
The XYZ color **42.5715, 53.5308, 77.9008** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.4523, 32.8691, 20.0805**, and the grayscale version is **43.8467, 46.1301, 50.2357**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **19.7123, 26.0137, 41.0280** is the 20% darker color. If you saturate the color by 10%, you get **39.2325, 50.6456, 77.5208**, and if you desaturate by 10%, it is **46.6373, 56.8175, 78.3219**.

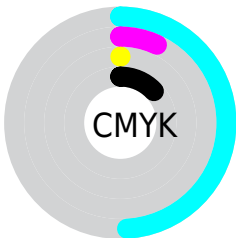
Distribution



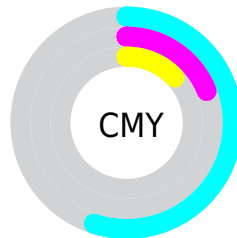
- Red (45%)
- Green (81%)
- Blue (87%)



- Red (45%)
- Yellow (64%)
- Blue (87%)



- Cyan (49%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)



- Cyan (55%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5715, 53.5308, 77.9008 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 42.5715, 53.5308, 77.9008 by changing the saturation by 10% instead.

■ 42.5715, 53.5308,
77.9008

■ 42.5715, 53.5308,
77.9008

347.7980,
400.3183, 507.3489

■ 29.7421, 38.2267,
57.4765

■ 78.3236, 95.3850,
132.1949

■ 19.7900, 26.1587,
40.9760

■ 101.9770,
122.7038, 166.9017

■ 12.3499, 16.9424,
27.9808

■ 129.9691,
154.7964, 207.2066

■ 7.0563, 10.1934,
18.0723

162.6653,
192.0470, 253.5279

■ 3.5440, 5.5274,
10.8319

200.4310,
234.8401, 306.2842

■ 1.4475, 2.5599,
5.8412

243.6314,

■ 0.2897, 0.9065,

283.5601, 365.8942

2.6815

292.6320,
338.5913, 432.7762

■ 0.0000, 0.0000,
0.9341

■ 0.0000, 0.0000,
0.0000

■ 42.5715, 53.5308,
77.9008

■ 42.5715, 53.5308,
77.9008

■ 39.2325, 50.6456,
77.5208

■ 46.6373, 56.8175,
78.3219

■ 36.5629, 48.1286,
77.1757

■ 51.4720, 60.5239,
78.7824

■ 34.5047, 45.9509,
76.8639

■ 57.1204, 64.6744,
79.2859

■ 32.9876, 44.0761,
76.5819

■ 63.6223, 69.2898,
79.8341

■ 31.9028, 42.4479,
76.3248

■ 71.0149, 74.3893,
80.4287

■ 31.7916, 42.2721,
76.2968

■ 79.3331, 79.9912,
81.0716

■ 82.8326, 83.1341,
81.4938

■ 83.7517, 84.9722,
81.8001

■ 84.6879, 86.8446,
82.1122

Harmonies

Analogous

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



40.8898, 53.5308, 61.0931



42.5715, 53.5308, 77.9008



46.4852, 53.5308, 90.9868

Triad

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



42.5715, 53.5308, 77.9008



61.2893, 53.5308, 72.2367



49.9207, 53.5308, 32.6488

Complementary

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



42.5715, 53.5308, 77.9008



41.4523, 32.8691, 20.0805

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.



55.5422, 53.5308, 34.5418



42.5715, 53.5308, 77.9008



62.3763, 53.5308, 55.5661

Square

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



42.5715, 53.5308, 77.9008



57.3329, 53.5308, 87.3188



60.2035, 53.5308, 42.2754



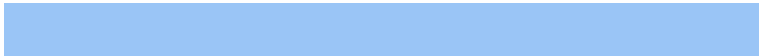
44.9293, 53.5308, 36.5283

Rectangle

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



42.5715, 53.5308, 77.9008



49.9726, 53.5308, 94.7335



60.2035, 53.5308, 42.2754



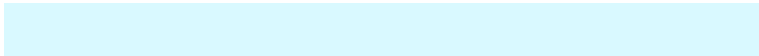
51.7972, 53.5308, 32.6398

Sweetspot

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



42.5732, 53.5328, 77.9021



80.5861, 89.9236, 107.7174



37.2598, 57.9265, 29.8251



16.8606, 18.9698, 23.0228



0.0000, 0.0000, 0.0000



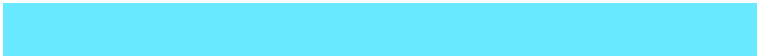
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.5732, 53.5328, 77.9021



52.9387, 68.4274, 105.0254



31.8101, 32.0068, 74.3144



13.9362, 15.2115, 17.5893



18.7579, 24.9853, 44.8824



1.3475, 1.8265, 3.1268

Inverse Universe

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



47.7126, 32.2290, 62.7398



60.9421, 37.1502, 80.9880



50.4102, 50.7850, 23.0665



14.2040, 13.8992, 16.8445



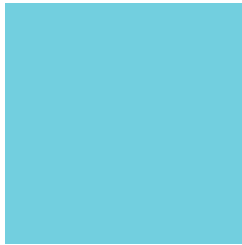
23.4083, 11.4303, 29.8796



1.6464, 0.8018, 2.1970

Previews

White Background



This preview shows how the XYZ color 42.5715, 53.5308, 77.9008 looks on a white background.

Color Contrast Check

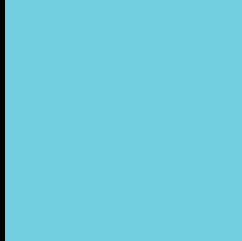
Large Text (above 18pt) WCAG AA × Fail

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 42.5715, 53.5308, 77.9008 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 42.5715, 53.5308, 77.9008

Background



This preview shows how black text looks on a background with the XYZ color 42.5715, 53.5308, 77.9008.



This preview shows how white text looks on a background with the XYZ color 42.5715, 53.5308,

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

42.5715, 53.5308, 77.9008

Protanopia

51.8762, 53.0128, 70.4491

Deuteranopia

54.0965, 52.9818, 80.0484



Tritanopia

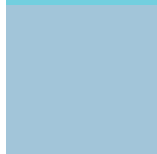
42.7068, 53.5849, 78.6130

Trichromacy



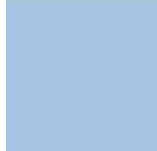
Original Color

42.5715, 53.5308, 77.9008



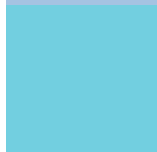
Protanomaly

47.3909, 52.6236, 73.3053



Deuteranomaly

48.7596, 52.5205, 79.5191



Tritanomaly

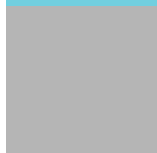
42.7068, 53.5849, 78.6130

Monochromacy



Original Color

42.5715, 53.5308, 77.9008



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

42.2819, 47.9805, 59.2572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5715, 53.5308, 77.9008 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(114, 207, 223)` looks like.

```
.text, #text, p{  
    color:rgb(114, 207, 223)  
}
```

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(114, 207, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 207, 223) }
```

Border

The CSS property to change the border of an element to XYZ 42.5715, 53.5308, 77.9008 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(114, 207, 223) }
```


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

```
.border{ border-color:rgb(114, 207, 223) }
```

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

Here you see how a box with a 4 pixel rgb(114, 207, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 207, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 207, 223);  
box-shadow:4px 4px 4px 4px rgb(114, 207,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5715, 53.5308, 77.9008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 207, 223) }
```

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

```
.background{ background-color: rgb(114,  
207, 223) }
```

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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