

Converting Colors

XYZ(41.6717, 52.9804, 90.7474)

Have a look what the booklet for
XYZ(41.6717, 52.9804, 90.7474)
contains.

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Color

**XYZ(41.7637, 53.1969,
90.5049)**

Conversions

Conversions Part 1

Format	Color
Hex	52D0F0
RGB	82, 208, 240
RGB Percent	32%, 82%, 94%
CMY	0.6784, 0.1843, 0.0588
CMYK	0.66, 0.13, 0.00, 0.06
HSL	192°, 84%, 63%
HSV	192°, 66%, 94%
XYZ	41.7637, 53.1969, 90.5049
YIQ	173.9740, -85.3680, -16.7600

Conversions

Conversions Part 2

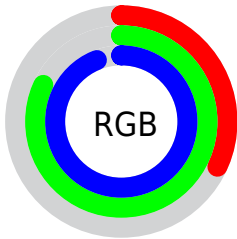
Format	Color
R _Y B	82, 152, 240
Decimal	5427440
CIE Lab	77.99, -25.01, -25.99
CIE LCh	78, 36.073, 226.103
Yxy	53.1969, 0.2252, 0.2868
Android (android.graphics.Color)	4283617520 (0xFF52D0F0)
YUV	173.9740, 32.5508, -80.6612
Hunter-Lab	72.9362, -25.4282, -22.5163

Details

The XYZ color **41.7637, 53.1969, 90.5049** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **43.4770, 31.1710, 11.7095**, and the grayscale version is **40.0903, 42.1781, 45.9320**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **20.0430, 26.2432, 49.3565** is the 20% darker color. If you saturate the color by 10%, you get **38.8634, 49.9703, 90.0360**, and if you desaturate by 10%, it is **45.4333, 56.8761, 91.0227**.

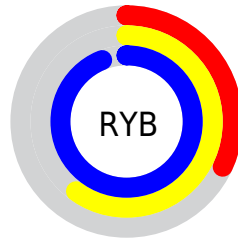
Distribution



Red (32%)

Green (82%)

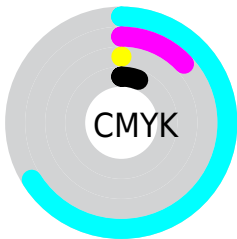
Blue (94%)



Red (32%)

Yellow (60%)

Blue (94%)

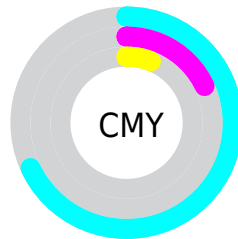


Cyan (66%)

Magenta (13%)

Yellow (0%)

Black (6%)



Cyan (68%)

Magenta (18%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7637, 53.1969, 90.5049 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 41.7637, 53.1969, 90.5049 by changing the saturation by 10% instead.

41.7637, 53.1969,
90.5049

41.7637, 53.1969,
90.5049

344.5108,
399.0401, 550.2843

29.1066, 37.9600,
67.8234

77.1093, 94.8940,
149.9812

19.3062, 25.9516,
49.2883

100.5285,
122.1231, 187.6130

11.9970, 16.7875,
34.4810

128.2658,
154.1182, 231.0654

6.8138, 10.0831,
22.9830

160.6865,
191.2639, 280.7569

3.3912, 5.4541,
14.3758

198.1560,
233.9446, 337.1060

1.3639, 2.5161,
8.2408

241.0396,

0.2303, 0.8847,

282.5445, 400.5312

4.1594

289.7028,
337.4483, 471.4512

■ 0.0000, 0.0000,
1.7132

■ 0.0000, 0.0000,
0.3698

■ 41.7637, 53.1969,
90.5049

■ 41.7637, 53.1969,
90.5049

■ 38.8634, 49.9703,
90.0360

■ 45.4333, 56.8761,
91.0227

■ 36.6469, 47.1486,
89.6082

■ 49.9357, 61.0379,
91.5887

■ 35.0168, 44.6822,
89.2180

■ 55.3335, 65.7163,
92.2072

■ 34.4452, 43.7250,
89.0634

■ 61.6818, 70.9399,
92.8808

69.0310, 76.7353,
93.6121

77.4280, 83.1270,
94.4033

86.9166, 90.1381,
95.2565

90.1952, 94.0050,
95.8300

91.7002, 97.0150,
96.3317

Harmonies

Analogous

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



38.6643, 53.1969, 69.3271



41.7637, 53.1969, 90.5049



47.3871, 53.1969, 104.1685

Triad

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



41.7637, 53.1969, 90.5049



64.8386, 53.1969, 67.7180



46.9077, 53.1969, 28.1409

Complementary

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



41.7637, 53.1969, 90.5049



43.4770, 31.1710, 11.7095

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.



53.8757, 53.1969, 27.9033



41.7637, 53.1969, 90.5049



64.6799, 53.1969, 47.8425

Square

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



41.7637, 53.1969, 90.5049



60.9322, 53.1969, 89.0942



60.5167, 53.1969, 34.2815



41.4408, 53.1969, 35.0293

Rectangle

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



41.7637, 53.1969, 90.5049



52.0116, 53.1969, 105.5245



60.5167, 53.1969, 34.2815



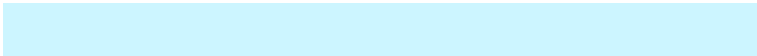
49.1397, 53.1969, 27.3461

Sweetspot

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



41.7654, 53.1988, 90.5062



75.5048, 85.1633, 107.0664



37.6558, 65.3211, 26.4262



15.6568, 17.8297, 22.8662



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.



41.7654, 53.1988, 90.5062



43.6446, 56.1866, 103.1525



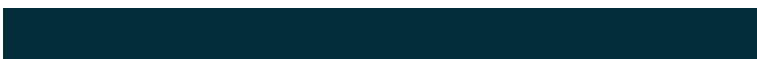
27.1127, 23.8934, 85.6219



15.9597, 17.3534, 20.2300



18.9529, 24.1301, 48.7865



1.6447, 2.1434, 4.0812

Inverse Universe

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



50.3391, 29.1156, 62.6432



54.7015, 28.7219, 66.4135



56.4413, 57.0996, 16.0309



16.3091, 15.9733, 19.1838



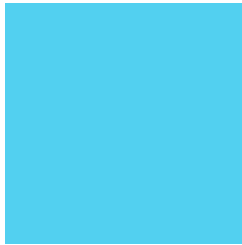
24.8922, 12.2293, 28.4125



2.1051, 1.0311, 2.5443

Previews

White Background



This preview shows how the XYZ color 41.7637, 53.1969, 90.5049 looks on a white background.

Color Contrast Check

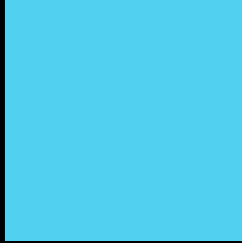
Large Text (above 18pt) WCAG AA × Fail

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 41.7637, 53.1969, 90.5049 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 41.7637, 53.1969, 90.5049

Background



This preview shows how black text looks on a background with the XYZ color 41.7637, 53.1969, 90.5049.

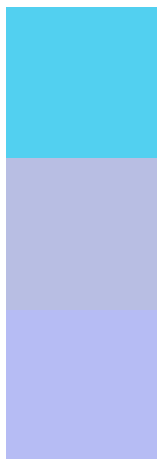


This preview shows how white text looks on a background with the XYZ color 41.7637, 53.1969,

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

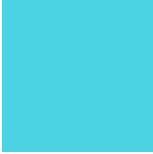
41.7637, 53.1969, 90.5049

Protanopia

52.0457, 52.5633, 80.0757

Deuteranopia

53.6038, 52.4432, 92.8853



Tritanopia

39.8134, 53.1351, 80.8308

Trichromacy



Original Color

41.7637, 53.1969, 90.5049

Protanomaly

46.5644, 51.9617, 83.9193

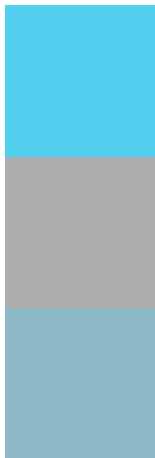
Deuteranomaly

47.5468, 51.6123, 92.2502

Tritanomaly

40.5078, 53.0468, 84.4480

Monochromacy



Original Color

41.7637, 53.1969, 90.5049

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.7365, 44.8577, 60.0429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7637, 53.1969, 90.5049 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(82, 208, 240)` looks like.

```
.text, #text, p{  
    color:rgb(82, 208, 240)  
}
```

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(82, 208, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 208, 240) }
```

Border

The CSS property to change the border of an element to XYZ 41.7637, 53.1969, 90.5049 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(82, 208, 240) }
```


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

```
.border{ border-color:rgb(82, 208, 240) }
```

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

Here you see how a box with a 4 pixel rgb(82, 208, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 208, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 208, 240);  
box-shadow:4px 4px 4px 4px rgb(82, 208,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7637, 53.1969, 90.5049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 208, 240) }
```

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

```
.background{ background-color: rgb(82, 208,  
240) }
```

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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