

Converting Colors

XYZ(47.6325, 60.5814,
103.7906)

Have a look what the booklet for
XYZ(47.6325, 60.5814, 103.7906)
contains.

XYZ(47.5737, 60.4326, 103.7650)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.5737, 60.4326,
103.7650)**

Conversions

Conversions Part 1

Format	Color
Hex	57DCFF
RGB	87, 220, 255
RGB Percent	34%, 86%, 100%
CMY	0.6588, 0.1372, 0.0000
CMYK	0.66, 0.14, 0.00, 0.00
HSL	192°, 100%, 67%
HSV	192°, 66%, 100%
XYZ	47.5737, 60.4326, 103.7650
YIQ	184.2230, -90.5030, -17.3110

Conversions

Conversions Part 2

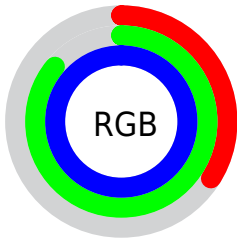
Format	Color
R_{YB}	87, 161, 255
Decimal	5758207
CIE _{Lab}	82.07, -25.74, -27.72
CIE _{LCh}	82, 37.830, 227.129
Yxy	60.4326, 0.2246, 0.2854
Android (android.graphics.Color)	4283948287 (0xFF57DCFF)
YUV	184.2230, 34.8931, -85.2646
Hunter-Lab	77.7384, -26.8053, -24.7232

Details

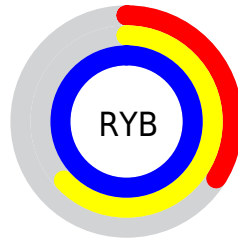
The XYZ color **47.5737, 60.4326, 103.7650** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **49.9212, 35.8692, 13.3114**, and the grayscale version is **45.5345, 47.9058, 52.1694**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **23.6482, 30.9875, 58.1609** is the 20% darker color. If you saturate the color by 10%, you get **44.2278, 56.6718, 103.2155**, and if you desaturate by 10%, it is **51.8078, 64.7194, 104.3693**.

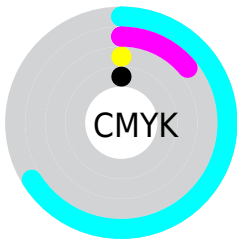
Distribution



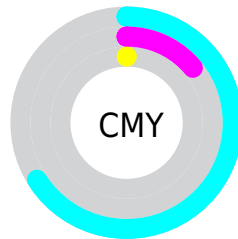
- Red (34%)
- Green (86%)
- Blue (100%)



- Red (34%)
- Yellow (63%)
- Blue (100%)



- Cyan (66%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5737, 60.4326, 103.7650 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 47.5737, 60.4326, 103.7650 by changing the saturation by 10% instead.

47.5737, 60.4326,
103.7650

47.5737, 60.4326,
103.7650

367.7107,
426.1905, 593.5468

33.6993, 43.7674,
78.8142

85.7829, 105.4570,
168.4184

22.8245, 30.4877,
58.2227

110.8484,
134.5849, 208.9582

14.5839, 20.2091,
41.5718

140.3749,
168.6359, 255.5313

8.6123, 12.5471,
28.4431

174.7278,
207.9944, 308.5564

4.5443, 7.1174,
18.4180

214.2725,
253.0447, 368.4519

2.0144, 3.5356,
11.0780

259.3743,

0.6420, 1.4174,

304.1712, 435.6365

6.0045

310.3985,
361.7583, 510.5286

■ 0.0000, 0.2295,
2.7790

■ 0.0000, 0.0000,
0.9829

■ 47.5737, 60.4326,
103.7650

■ 47.5737, 60.4326,
103.7650

■ 44.2278, 56.6718,
103.2155

■ 51.8078, 64.7194,
104.3693

■ 41.6713, 53.3820,
102.7152

■ 57.0048, 69.5678,
105.0312

■ 39.7902, 50.5049,
102.2590

■ 63.2372, 75.0170,
105.7545

■ 39.1415, 49.4030,
102.0805

■ 70.5690, 81.1003,
106.5423

■ 79.0586, 87.8488,
107.3974

■ 88.7606, 95.2908,
108.3225

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



43.9270, 60.4326, 79.6840



47.5737, 60.4326, 103.7650



54.0723, 60.4326, 118.9278

Triad

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



47.5737, 60.4326, 103.7650



73.8223, 60.4326, 76.1370



53.0163, 60.4326, 31.9764

Complementary

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



47.5737, 60.4326, 103.7650



49.9212, 35.8692, 13.3114

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.



60.9434, 60.4326, 31.4543



47.5737, 60.4326, 103.7650



73.4723, 60.4326, 53.6318

Square

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



47.5737, 60.4326, 103.7650



69.4984, 60.4326, 100.6531



68.5826, 60.4326, 38.4508



46.8628, 60.4326, 40.0954

Rectangle

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



47.5737, 60.4326, 103.7650



59.3745, 60.4326, 120.0714



68.5826, 60.4326, 38.4508



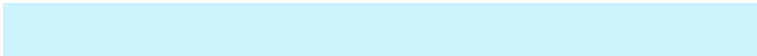
55.5468, 60.4326, 30.9869

Sweetspot

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



47.5754, 60.4347, 103.7653



75.4156, 84.9848, 107.0366



43.1187, 74.9176, 30.1515



15.6351, 17.7865, 22.8590



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.



47.5754, 60.4347, 103.7653



43.3496, 55.5966, 103.0542



30.9851, 27.2541, 98.2352



18.2147, 19.8010, 23.1119



20.5638, 26.0371, 53.3764



2.0791, 2.6888, 5.2227

Inverse Universe

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



57.5677, 33.2455, 71.0951



54.5527, 28.6624, 65.6294



64.6972, 65.4213, 18.2367



18.6210, 18.2317, 21.8874



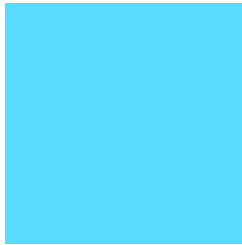
27.1678, 13.3564, 30.5980



2.6840, 1.3160, 3.1835

Previews

White Background



This preview shows how the XYZ color 47.5737, 60.4326, 103.7650 looks on a white background.

Color Contrast Check

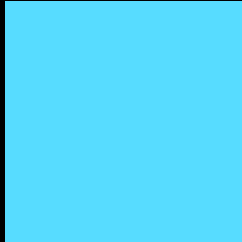
Large Text (above 18pt) WCAG AA × Fail

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 47.5737, 60.4326, 103.7650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

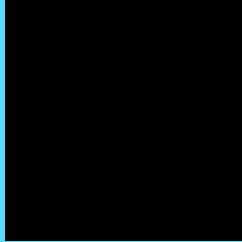
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5737, 60.4326, 103.7650

Background



This preview shows how black text looks on a background with the XYZ color 47.5737, 60.4326, 103.7650.



This preview shows how white text looks on a background with the XYZ color 47.5737, 60.4326,

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

47.5737, 60.4326, 103.7650

Protanopia

59.1618, 59.6534, 92.4005

Deuteranopia

60.4657, 59.4043, 102.8870



Tritanopia

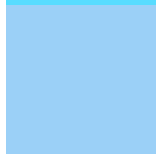
45.0739, 60.1961, 91.6814

Trichromacy



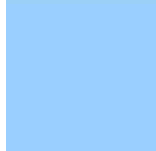
Original Color

47.5737, 60.4326, 103.7650



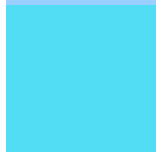
Protanomaly

52.8619, 58.7957, 96.5583



Deuteranomaly

53.6892, 58.7157, 103.1113



Tritanomaly

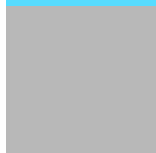
45.8176, 60.0993, 95.5717

Monochromacy



Original Color

47.5737, 60.4326, 103.7650



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.9935, 50.9752, 68.4933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5737, 60.4326, 103.7650 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(87, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 220, 255)  
}
```

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(87, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.5737, 60.4326, 103.7650 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(87, 220, 255) }
```


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

```
.border{ border-color:rgb(87, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5737, 60.4326, 103.7650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 220, 255) }
```

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

```
.background{ background-color: rgb(87, 220,  
255) }
```

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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