

Converting Colors

XYZ(47.3592, 57.7043,
103.2497)

Have a look what the booklet for
XYZ(47.3592, 57.7043, 103.2497)
contains.

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Color

**XYZ(47.3237, 57.6333,
103.2379)**

Conversions

Conversions Part 1

Format	Color
Hex	66D5FF
RGB	102, 213, 255
RGB Percent	40%, 84%, 100%
CMY	0.6000, 0.1647, 0.0000
CMYK	0.60, 0.16, 0.00, 0.00
HSL	196°, 100%, 70%
HSV	196°, 60%, 100%
XYZ	47.3237, 57.6333, 103.2379
YIQ	184.5990, -79.6380, -10.4700

Conversions

Conversions Part 2

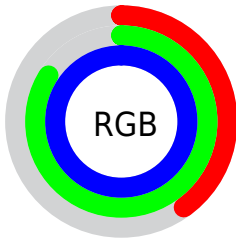
Format	Color
RYB	102, 166, 255
Decimal	6739455
CIELab	80.53, -19.80, -30.04
CIELCh	81, 35.983, 236.608
Yxy	57.6333, 0.2273, 0.2768
Android (android.graphics.Color)	4284929535 (0xFF66D5FF)
YUV	184.5990, 34.7077, -72.4393
Hunter-Lab	75.9166, -21.5835, -27.4860

Details

The XYZ color **47.3237, 57.6333, 103.2379** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.6125, 42.1672, 17.8857**, and the grayscale version is **45.7385, 48.1205, 52.4032**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **22.6169, 28.6325, 57.7607** is the 20% darker color. If you saturate the color by 10%, you get **43.1431, 52.9216, 102.5488**, and if you desaturate by 10%, it is **52.4721, 62.9591, 103.9945**.

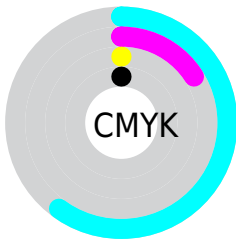
Distribution



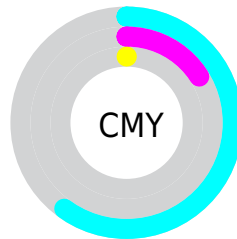
- Red (40%)
- Green (84%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3237, 57.6333, 103.2379 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 47.3237, 57.6333, 103.2379 by changing the saturation by 10% instead.

47.3237, 57.6333,
103.2379

47.3237, 57.6333,
103.2379

366.7325,
415.8181, 591.8597

33.5006, 41.5139,
78.3755

85.4124, 101.3887,
167.6903

22.6713, 28.7209,
57.8642

110.4088,
129.7934, 208.1173

14.4704, 18.8698,
41.2855

139.8603,
163.0621, 254.5697

8.5324, 11.5762,
28.2209

174.1323,
201.5791, 307.4658

4.4921, 6.4558,
18.2517

213.5902,
245.7288, 367.2244

1.9841, 3.1242,
10.9596

258.5993,

0.6250, 1.1969,

295.8956, 434.2638

5.9258

309.5249,
352.4639, 509.0027

■ 0.0000, 0.0592,
2.7320

■ 0.0000, 0.0000,
0.9595

■ 47.3237, 57.6333,
103.2379

■ 47.3237, 57.6333,
103.2379

■ 43.1431, 52.9216,
102.5488

■ 52.4721, 62.9591,
103.9945

■ 39.8399, 48.7725,
101.9220

■ 58.6581, 68.9327,
104.8215

■ 37.3140, 45.1341,
101.3528

■ 65.9503, 75.5922,
105.7226

■ 35.3999, 41.9196,
100.8333

■ 74.4099, 82.9704,
106.7008

■ 35.3994, 41.9187,
100.8331

■ 84.0933, 91.0978,
107.7592

95.0500, 100.0000,
108.9000

Harmonies

Analogous

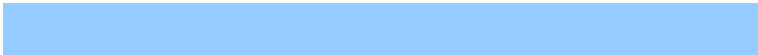
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.0296, 57.6333, 82.8044



47.3237, 57.6333, 103.2379



53.9423, 57.6333, 112.7812

Triad

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



47.3237, 57.6333, 103.2379



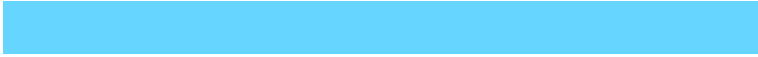
70.2252, 57.6333, 65.1916



48.6569, 57.6333, 32.9439

Complementary

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



47.3237, 57.6333, 103.2379



53.6125, 42.1672, 17.8857

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.



55.6238, 57.6333, 30.2613



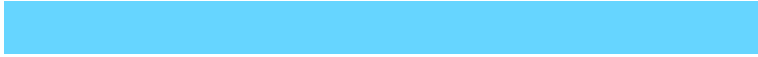
47.3237, 57.6333, 103.2379



68.4927, 57.6333, 46.2317

Square

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



47.3237, 57.6333, 103.2379



67.5216, 57.6333, 87.9236



62.9782, 57.6333, 34.5358



43.7493, 57.6333, 42.9126

Rectangle

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



47.3237, 57.6333, 103.2379



58.9420, 57.6333, 110.3936



62.9782, 57.6333, 34.5358



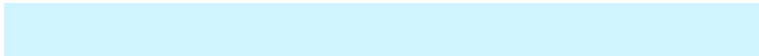
50.8163, 57.6333, 31.2727

Sweetspot

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



47.3254, 57.6353, 103.2382



76.2442, 84.5328, 106.9057



46.1835, 76.3225, 38.2070



15.7508, 17.6084, 22.8185



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.



47.3254, 57.6353, 103.2382



42.4141, 52.0470, 102.4184



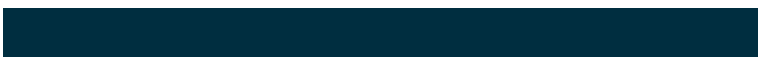
32.5766, 28.1378, 98.3219



18.1085, 19.5886, 23.0765



18.6282, 22.1660, 52.7312



1.9051, 2.3409, 5.1647

Inverse Universe

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



58.0027, 35.5684, 66.7612



54.4901, 30.2061, 60.4641



69.0489, 73.0401, 23.0312



18.5674, 18.2103, 21.6051



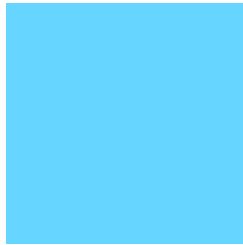
26.1908, 12.9656, 25.4532



2.5962, 1.2809, 2.7211

Previews

White Background



This preview shows how the XYZ color 47.3237, 57.6333, 103.2379 looks on a white background.

Color Contrast Check

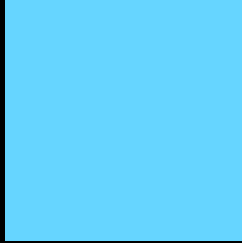
Large Text (above 18pt) WCAG AA × Fail

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 47.3237, 57.6333, 103.2379 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

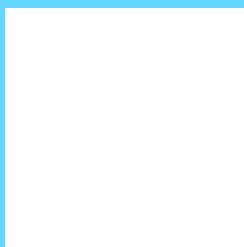
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3237, 57.6333, 103.2379

Background



This preview shows how black text looks on a background with the XYZ color 47.3237, 57.6333, 103.2379.



This preview shows how white text looks on a background with the XYZ color 47.3237, 57.6333,

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

47.3237, 57.6333, 103.2379

Protanopia

56.8830, 57.0949, 92.8164

Deuteranopia

57.8148, 56.6893, 102.5027



Tritanopia

44.1783, 57.8934, 86.6880

Trichromacy



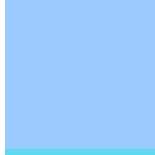
Original Color

47.3237, 57.6333, 103.2379



Protanomaly

52.0491, 56.5954, 96.1764



Deuteranomaly

52.6881, 56.4296, 102.7228



Tritanomaly

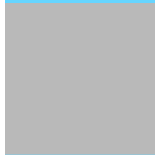
45.4067, 58.0093, 92.8081

Monochromacy



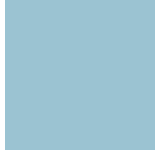
Original Color

47.3237, 57.6333, 103.2379



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

44.6655, 50.6519, 68.3954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3237, 57.6333, 103.2379 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(102, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 213, 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(102, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.3237, 57.6333, 103.2379 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(102, 213, 255) }
```


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

```
.border{ border-color:rgb(102, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3237, 57.6333, 103.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 213, 255) }
```

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

```
.background{ background-color: rgb(102,  
213, 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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