

Converting Colors

XYZ(47.0489, 57.4837, 90.9145)

Have a look what the booklet for
XYZ(47.0489, 57.4837, 90.9145)
contains.

XYZ(47.0174, 57.3713, 91.0338)	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(47.0174, 57.3713,
91.0338)**

Conversions

Conversions Part 1

Format	Color
Hex	78D4F0
RGB	120, 212, 240
RGB Percent	47%, 83%, 94%
CMY	0.5294, 0.1686, 0.0588
CMYK	0.50, 0.12, 0.00, 0.06
HSL	194°, 80%, 71%
HSV	194°, 50%, 94%
XYZ	47.0174, 57.3713, 91.0338
YIQ	187.6840, -63.8200, -10.7960

Conversions

Conversions Part 2

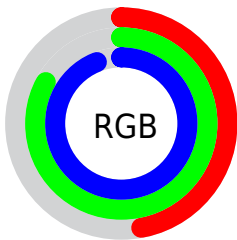
Format	Color
RYB	120, 172, 240
Decimal	7918832
CIELab	80.39, -20.03, -22.23
CIElCh	80, 29.920, 227.977
Yxy	57.3713, 0.2406, 0.2936
Android (android.graphics.Color)	4286108912 (0xFF78D4F0)
YUV	187.6840, 25.7918, -59.3589
Hunter-Lab	75.7438, -21.7492, -18.2378

Details

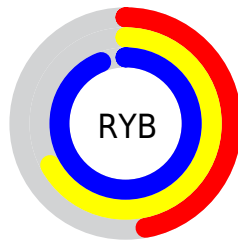
The XYZ color **47.0174, 57.3713, 91.0338** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.9166, 41.0627, 23.0661**, and the grayscale version is **47.5068, 49.9808, 54.4291**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **22.4536, 28.4742, 49.6600** is the 20% darker color. If you saturate the color by 10%, you get **42.7214, 53.1156, 90.4398**, and if you desaturate by 10%, it is **52.1996, 62.1584, 91.6857**.

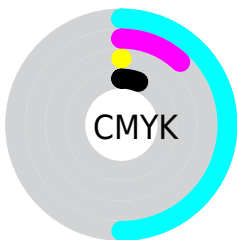
Distribution



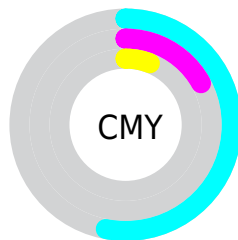
- Red (47%)
- Green (83%)
- Blue (94%)



- Red (47%)
- Yellow (67%)
- Blue (94%)



- Cyan (50%)
- Magenta (12%)
- Yellow (0%)
- Black (6%)



- Cyan (53%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0174, 57.3713, 91.0338 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 47.0174, 57.3713, 91.0338 by changing the saturation by 10% instead.

■ 47.0174, 57.3713,
91.0338

■ 47.0174, 57.3713,
91.0338

365.5317,
414.8392, 552.0447

■ 33.2574, 41.3034,
68.2599

■ 84.9582, 101.0068,
150.7216

■ 22.4839, 28.5562,
49.6412

■ 109.8697,
129.3431, 188.4725

■ 14.3315, 18.7454,
34.7592

■ 139.2291,
162.5378, 232.0529

■ 8.4348, 11.4864,
23.1954

173.4017,
200.9751, 281.8812

■ 4.4285, 6.3950,
14.5312

212.7529,
245.0395, 338.3760

■ 1.9473, 3.0867,
8.3481

257.6481,

■ 0.6041, 1.1772,

295.1154, 401.9558

4.2275

308.4526,
351.5872, 473.0392

■ 0.0000, 0.0430,
1.7510

■ 0.0000, 0.0000,
0.3953

■ 47.0174, 57.3713,
91.0338

■ 47.0174, 57.3713,
91.0338

■ 42.7214, 53.1156,
90.4398

■ 52.1996, 62.1584,
91.6857

■ 39.2422, 49.3511,
89.8966

■ 58.3200, 67.5007,
92.3943

■ 36.5084, 46.0415,
89.4019

■ 65.4329, 73.4282,
93.1635

■ 34.4330, 43.1412,
88.9514

■ 73.5867, 79.9664,
93.9958

■ 32.8698, 40.5741,
88.5383

■ 82.8265, 87.1394,
94.8933

■ 32.8695, 40.5736,
88.5382

■ 89.8033, 93.2212,
95.6995

■ 91.5288, 96.6721,
96.2747

■ 92.7284, 99.0714,
96.6745

Harmonies

Analogous

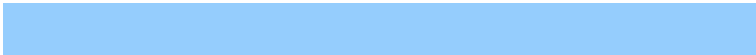
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0741, 57.3713, 73.4704



47.0174, 57.3713, 91.0338



52.1124, 57.3713, 101.6190

Triad

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



47.0174, 57.3713, 91.0338



66.8828, 57.3713, 69.7623



50.9738, 57.3713, 35.5573

Complementary

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



47.0174, 57.3713, 91.0338



49.9166, 41.0627, 23.0661

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.



57.0206, 57.3713, 34.9379



47.0174, 57.3713, 91.0338



66.5205, 57.3713, 52.6221

Square

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



47.0174, 57.3713, 91.0338



63.7580, 57.3713, 87.8850



62.8024, 57.3713, 40.6060



46.2378, 57.3713, 42.4943

Rectangle

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



47.0174, 57.3713, 91.0338



56.1811, 57.3713, 102.1920



62.8024, 57.3713, 40.6060



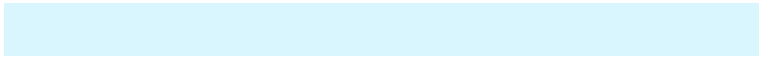
52.9110, 57.3713, 34.6579

Sweetspot

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



47.0192, 57.3735, 91.0352



79.5697, 87.8908, 107.3786



44.0957, 68.3899, 38.0725



16.6138, 18.4762, 22.9406



0.0000, 0.0000, 0.0000



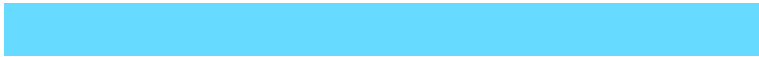
20.3446, 21.4041, 23.3091

Same Dimension

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



47.0192, 57.3735, 91.0352



48.9397, 60.8652, 103.7765



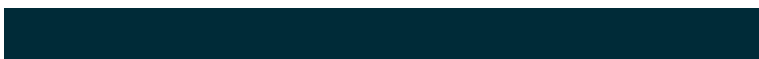
35.0312, 33.3975, 87.0392



15.9165, 17.2672, 20.2156



18.0996, 22.4234, 48.5021



1.5805, 2.0150, 4.0599

Inverse Universe

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



54.5369, 36.7134, 66.5016



58.8173, 35.8931, 71.0540



61.3981, 64.0256, 26.8932



16.2873, 15.9646, 19.0692



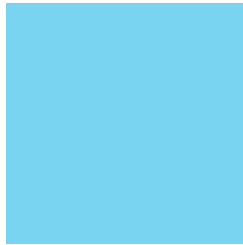
24.4615, 12.0570, 26.1443



2.0727, 1.0181, 2.3738

Previews

White Background



This preview shows how the XYZ color 47.0174, 57.3713, 91.0338 looks on a white background.

Color Contrast Check

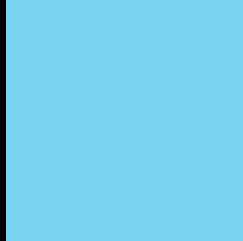
Large Text (above 18pt) WCAG AA × Fail

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 47.0174, 57.3713, 91.0338 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 47.0174, 57.3713, 91.0338

Background



This preview shows how black text looks on a background with the XYZ color 47.0174, 57.3713, 91.0338.



This preview shows how white text looks on a background with the XYZ color 47.0174, 57.3713,

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

47.0174, 57.3713, 91.0338

Protanopia

55.9874, 56.8521, 82.8856

Deuteranopia

58.1266, 56.7173, 93.4719



Tritanopia

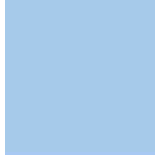
45.8065, 57.6446, 84.3136

Trichromacy



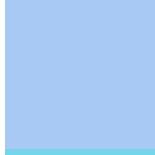
Original Color

47.0174, 57.3713, 91.0338



Protanomaly

51.6977, 56.2886, 85.9819



Deuteranomaly

53.2128, 56.5692, 92.9084



Tritanomaly

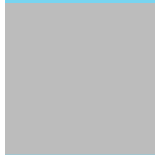
46.1167, 57.3806, 86.4868

Monochromacy



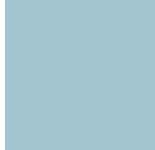
Original Color

47.0174, 57.3713, 91.0338



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

46.3330, 52.2240, 66.6697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0174, 57.3713, 91.0338 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(120, 212, 240)` looks like.

```
.text, #text, p{  
    color:rgb(120, 212, 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(120, 212, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 212, 240) }
```

Border

The CSS property to change the border of an element to XYZ 47.0174, 57.3713, 91.0338 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(120, 212, 240) }
```


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

```
.border{ border-color:rgb(120, 212, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 212, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 212, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 212, 240);  
box-shadow:4px 4px 4px 4px rgb(120, 212,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0174, 57.3713, 91.0338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 212, 240) }
```

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

```
.background{ background-color: rgb(120,  
212, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor