

Converting Colors

XYZ(47.4293, 50.6451, 93.9211)

Have a look what the booklet for
XYZ(47.4293, 50.6451, 93.9211)
contains.

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Color

**XYZ(47.3637, 50.4949,
93.6364)**

Conversions

Conversions Part 1

Format	Color
Hex	93C0F5
RGB	147, 192, 245
RGB Percent	58%, 75%, 96%
CMY	0.4235, 0.2470, 0.0392
CMYK	0.40, 0.22, 0.00, 0.04
HSL	212°, 83%, 77%
HSV	212°, 40%, 96%
XYZ	47.3637, 50.4949, 93.6364
YIQ	184.5870, -43.8330, 6.9430

Conversions

Conversions Part 2

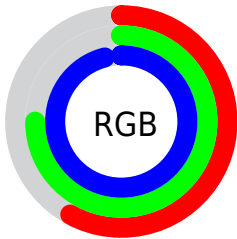
Format	Color
RYB	147, 178, 245
Decimal	9683189
CIELab	76.37, -1.75, -30.93
CIElCh	76, 30.979, 266.761
Yxy	50.4949, 0.2473, 0.2637
Android (android.graphics.Color)	4287873269 (0xFF93C0F5)
YUV	184.5870, 29.7836, -32.9638
Hunter-Lab	71.0598, -5.3784, -28.3854

Details

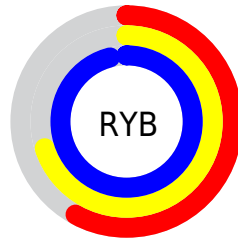
The XYZ color **47.3637, 50.4949, 93.6364** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.5782, 62.8290, 36.3818**, and the grayscale version is **45.7437, 48.1259, 52.4091**.

A 20% lighter version of the original color is **76.5192, 87.1922, 107.4045**, and **22.8316, 24.4147, 51.6533** is the 20% darker color. If you saturate the color by 10%, you get **40.6499, 42.9085, 92.5269**, and if you desaturate by 10%, it is **55.2783, 59.0912, 94.8794**.

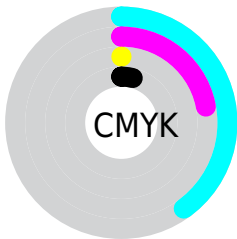
Distribution



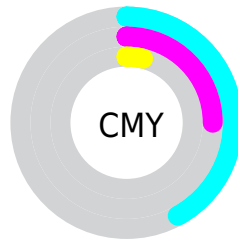
- Red (58%)
- Green (75%)
- Blue (96%)



- Red (58%)
- Yellow (70%)
- Blue (96%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)
- Black (4%)



- Cyan (42%)
- Magenta (25%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3637, 50.4949, 93.6364 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 47.3637, 50.4949, 93.6364 by changing the saturation by 10% instead.

■ 47.3637, 50.4949,
93.6364

■ 47.3637, 50.4949,
93.6364

366.8891,
388.5982, 560.6627

■ 33.5324, 35.8068,
70.4100

■ 85.4717, 90.9077,
154.3587

■ 22.6958, 24.2850,
51.3820

■ 110.4791,
117.4012, 192.6917

■ 14.4885, 15.5452,
36.1338

139.9427,
148.5986, 236.8972

■ 8.5452, 9.2029,
24.2471

174.2276,
184.8843, 287.3939

■ 4.5004, 4.8738,
15.3031

213.6994,
226.6427, 344.6003

■ 1.9890, 2.1734,
8.8834

258.7233,

■ 0.6278, 0.7054,

274.2583, 408.9348

4.5694

309.6648,
328.1153, 480.8161

■ 0.0000, 0.0000,
1.9427

■ 0.0000, 0.0000,
0.5197

■ 47.3637, 50.4949,
93.6364

■ 47.3637, 50.4949,
93.6364

■ 40.6499, 42.9085,
92.5269

■ 55.2783, 59.0912,
94.8794

■ 35.0652, 36.2818,
91.5421

■ 64.4498, 68.7332,
96.2571

■ 30.5370, 30.5677,
90.6778

■ 74.9370, 79.4615,
97.7752

■ 26.9815, 25.7120,
89.9280

■ 86.7928, 91.3127,
99.4378

■ 24.2998, 21.6518,
89.2856

■ 93.4816, 99.3726,
100.6410

■ 22.3316, 18.2925,
88.7410

■ 22.3313, 18.2920,
88.7409

Harmonies

Analogous

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



42.1115, 50.4949, 86.4174



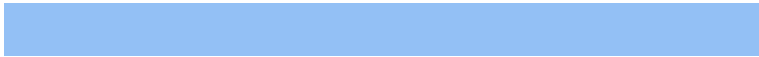
47.3637, 50.4949, 93.6364



53.2169, 50.4949, 88.8912

Triad

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



47.3637, 50.4949, 93.6364



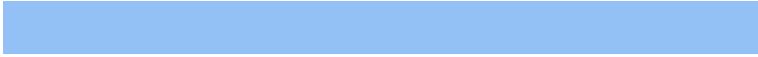
58.7077, 50.4949, 41.7624



39.2206, 50.4949, 39.2026

Complementary

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



47.3637, 50.4949, 93.6364



63.5782, 62.8290, 36.3818

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.



43.1243, 50.4949, 31.0205



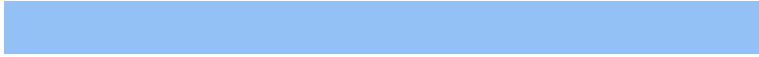
47.3637, 50.4949, 93.6364



54.4001, 50.4949, 32.2748

Square

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



47.3637, 50.4949, 93.6364



60.0701, 50.4949, 56.8131



48.6296, 50.4949, 28.7661



37.6554, 50.4949, 53.1874

Rectangle

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



47.3637, 50.4949, 93.6364



56.6264, 50.4949, 80.0179



48.6296, 50.4949, 28.7661



40.2865, 50.4949, 35.8003

Sweetspot

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



47.3654, 50.4968, 93.6376



79.6207, 84.5434, 106.7298



55.0263, 75.6450, 65.8977



16.7108, 17.7587, 22.7970



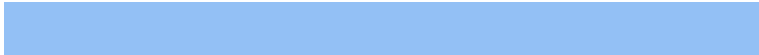
0.0000, 0.0000, 0.0000



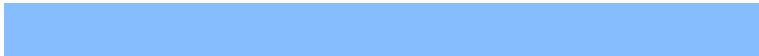
20.3446, 21.4041, 23.3091

Same Dimension

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



47.3654, 50.4968, 93.6376



45.8154, 48.4852, 101.5516



39.5436, 33.9712, 90.8601



16.2081, 17.1806, 21.0045



12.1651, 10.1241, 47.8510



1.1707, 1.0929, 4.2395

Inverse Universe

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



57.6058, 44.0874, 55.3447



58.7370, 41.5914, 52.9652



74.4465, 86.2426, 40.3283



16.8156, 16.6091, 18.7757



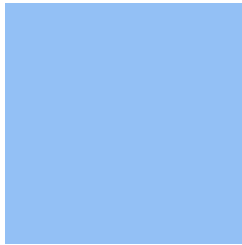
21.9449, 11.1214, 9.6842



1.9800, 0.9980, 1.1210

Previews

White Background



This preview shows how the XYZ color 47.3637, 50.4949, 93.6364 looks on a white background.

Color Contrast Check

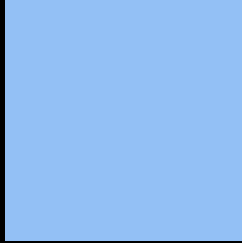
Large Text (above 18pt) WCAG AA × Fail

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 47.3637, 50.4949, 93.6364 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

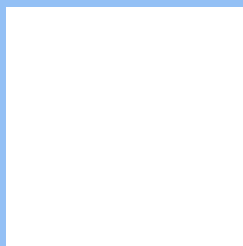
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3637, 50.4949, 93.6364

Background



This preview shows how black text looks on a background with the XYZ color 47.3637, 50.4949, 93.6364.



This preview shows how white text looks on a background with the XYZ color 47.3637, 50.4949,

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

47.3637, 50.4949, 93.6364

Protanopia

50.7426, 50.4078, 89.4933

Deuteranopia

51.5930, 50.4120, 95.0069



Tritanopia

42.9791, 50.7322, 71.1454

Trichromacy



Original Color

47.3637, 50.4949, 93.6364

Protanomaly

49.3201, 50.2698, 91.1080

Deuteranomaly

49.9276, 50.5128, 94.3073

Tritanomaly

44.4859, 50.6669, 78.6692

Monochromacy



Original Color

47.3637, 50.4949, 93.6364

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.0403, 49.1294, 66.0878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3637, 50.4949, 93.6364 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(147, 192, 245)` looks like.

```
.text, #text, p{  
    color:rgb(147, 192, 245)  
}
```

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(147, 192, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 192, 245) }
```

Border

The CSS property to change the border of an element to XYZ 47.3637, 50.4949, 93.6364 is called "border". The border property can be set on classes, ids or directly on the HTML element.

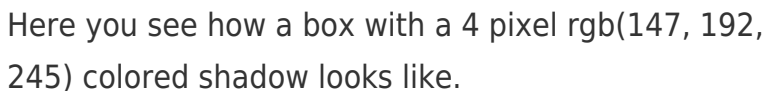
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 192, 245) }
```


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

```
.border{ border-color:rgb(147, 192, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 192, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 192, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 192, 245);  
box-shadow:4px 4px 4px 4px rgb(147, 192,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3637, 50.4949, 93.6364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 192, 245) }
```

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

```
.background{ background-color: rgb(147,  
192, 245) }
```

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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