

Converting Colors

XYZ(37.5508, 41.4455, 81.3000)

Have a look what the booklet for
XYZ(37.5508, 41.4455, 81.3000)
contains.

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Color

**XYZ(37.5467, 41.3233,
81.5986)**

Conversions

Conversions Part 1

Format	Color
Hex	74B2E7
RGB	116, 178, 231
RGB Percent	45%, 70%, 91%
CMY	0.5451, 0.3020, 0.0941
CMYK	0.50, 0.23, 0.00, 0.09
HSL	208°, 71%, 68%
HSV	208°, 50%, 91%
XYZ	37.5467, 41.3233, 81.5986
YIQ	165.5040, -53.9650, 3.3390

Conversions

Conversions Part 2

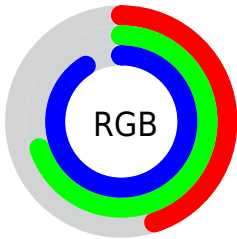
Format	Color
R_{YB}	116, 156, 231
Decimal	7647975
CIE _{Lab}	70.40, -5.55, -32.70
CIE _{LCh}	70, 33.164, 260.366
Yxy	41.3233, 0.2340, 0.2575
Android (android.graphics.Color)	4285838055 (0xFF74B2E7)
YUV	165.5040, 32.2895, -43.4150
Hunter-Lab	64.2832, -8.2369, -30.2622

Details

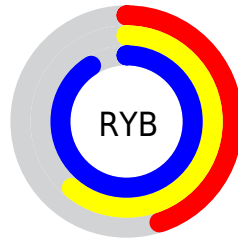
The XYZ color **37.5467, 41.3233, 81.5986** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.2968, 46.6277, 22.8739**, and the grayscale version is **35.8757, 37.7441, 41.1033**.

A 20% lighter version of the original color is **64.7064, 74.9499, 105.6641**, and **16.8296, 18.8576, 43.3103** is the 20% darker color. If you saturate the color by 10%, you get **32.8127, 35.8600, 80.7944**, and if you desaturate by 10%, it is **43.2113, 47.5120, 82.4954**.

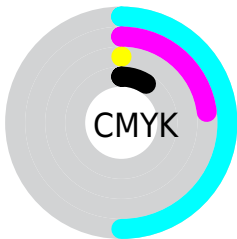
Distribution



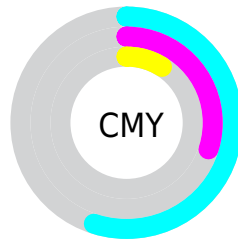
- Red (45%)
- Green (70%)
- Blue (91%)



- Red (45%)
- Yellow (61%)
- Blue (91%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)



- Cyan (55%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5467, 41.3233, 81.5986 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 37.5467, 41.3233, 81.5986 by changing the saturation by 10% instead.

■ 37.5467, 41.3233,
81.5986

■ 37.5467, 41.3233,
81.5986

326.9860,
351.6700, 520.1522

■ 25.8067, 28.5718,
60.5008

■ 70.7212, 77.1744,
137.4426

■ 16.8110, 18.7571,
43.3945

■ 92.8864, 101.0428,
173.0259

■ 10.1943, 11.4949,
29.8611

■ 119.2573,
129.3857, 214.2748

■ 5.5912, 6.4008,
19.4820

150.1994,
162.5873, 261.6078

■ 2.6364, 3.0903,
11.8388

186.0780,
201.0322, 315.4436

■ 0.9646, 1.1790,
6.5128

227.2583,

■ 0.0000, 0.0445,

245.1047, 376.2005

3.0855

274.1059,
295.1892, 444.2972

■ 0.0000, 0.0000,
1.1385

■ 0.0000, 0.0000,
0.0000

■ 37.5467, 41.3233,
81.5986

■ 37.5467, 41.3233,
81.5986

■ 32.8127, 35.8600,
80.7944

■ 43.2113, 47.5120,
82.4954

■ 28.9437, 31.0804,
80.0757

■ 49.8575, 54.4554,
83.4853

■ 25.8714, 26.9444,
79.4393

■ 57.5376, 62.1862,
84.5727

■ 23.5137, 23.4037,
78.8802

■ 66.2985, 70.7339,
85.7608

■ 21.7350, 20.3822,
78.3907

■ 76.1841, 80.1257,
87.0526

■ 21.6993, 20.3202,
78.3806

■ 87.2358, 90.3880,
88.4509

■ 90.6399, 96.9815,
89.5442

■ 91.4240, 98.5496,
89.8055

Harmonies

Analogous

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



32.9566, 41.3233, 72.3314



37.5467, 41.3233, 81.5986



43.0426, 41.3233, 79.4542

Triad

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



37.5467, 41.3233, 81.5986



49.9573, 41.3233, 35.3253



31.7373, 41.3233, 28.4190

Complementary

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



37.5467, 41.3233, 81.5986



50.2968, 46.6277, 22.8739

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.



35.7369, 41.3233, 22.2930



37.5467, 41.3233, 81.5986



46.3569, 41.3233, 25.5923

Square

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



37.5467, 41.3233, 81.5986



50.5560, 41.3233, 50.2125



41.0587, 41.3233, 21.3945



29.8135, 41.3233, 40.1503

Rectangle

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



37.5467, 41.3233, 81.5986



46.4718, 41.3233, 71.9929



41.0587, 41.3233, 21.3945



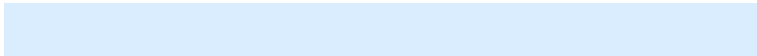
32.8652, 41.3233, 25.7624

Sweetspot

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



37.5481, 41.3248, 81.5996



76.9829, 82.7172, 106.5163



42.8244, 63.6838, 46.9607



15.9887, 17.2261, 22.7322



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.



37.5481, 41.3248, 81.5996



40.7711, 44.5281, 101.0537



28.5567, 23.3421, 78.6025



14.2233, 15.1679, 18.3224



12.2904, 11.6430, 43.9827



1.0009, 1.0458, 3.2811

Inverse Universe

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



47.2375, 32.6957, 45.9421



54.6942, 34.2439, 49.3421



63.1013, 72.2366, 27.1420



14.7003, 14.4973, 16.6221



20.5971, 10.3731, 12.0395



1.5689, 0.7853, 1.1361

Previews

White Background



This preview shows how the XYZ color 37.5467, 41.3233, 81.5986 looks on a white background.

Color Contrast Check

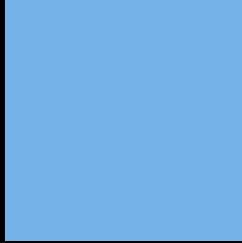
Large Text (above 18pt) WCAG AA × Fail

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 37.5467, 41.3233, 81.5986 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 37.5467, 41.3233, 81.5986

Background



This preview shows how black text looks on a background with the XYZ color 37.5467, 41.3233, 81.5986.



This preview shows how white text looks on a background with the XYZ color 37.5467, 41.3233,

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

37.5467, 41.3233, 81.5986

Protanopia

41.6832, 40.9803, 76.9472

Deuteranopia

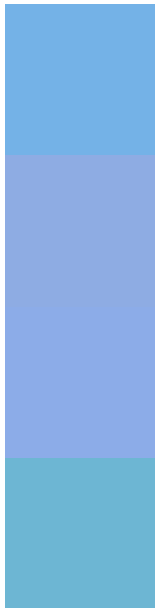
42.0328, 41.0314, 82.7953



Tritanopia

33.2750, 41.4078, 60.2715

Trichromacy



Original Color

37.5467, 41.3233, 81.5986

Protanomaly

39.7730, 40.8019, 78.4523

Deuteranomaly

40.1332, 40.9067, 82.1245

Tritanomaly

34.7925, 41.4103, 67.7872

Monochromacy



Original Color

37.5467, 41.3233, 81.5986

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.8817, 38.7631, 54.3060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5467, 41.3233, 81.5986 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(116, 178, 231)` looks like.

```
.text, #text, p{  
    color:rgb(116, 178, 231)  
}
```

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(116, 178, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 178, 231) }
```

Border

The CSS property to change the border of an element to XYZ 37.5467, 41.3233, 81.5986 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(116, 178, 231) }
```


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

```
.border{ border-color:rgb(116, 178, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 178, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 178, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 178, 231);  
box-shadow:4px 4px 4px 4px rgb(116, 178,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5467, 41.3233, 81.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 178, 231) }
```

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

```
.background{ background-color: rgb(116,  
178, 231) }
```

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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