

Converting Colors

XYZ(36.3754, 41.9130, 75.2807)

Have a look what the booklet for
XYZ(36.3754, 41.9130, 75.2807)
contains.

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Color

**XYZ(36.4683, 42.1093,
75.3131)**

Conversions

Conversions Part 1

Format	Color
Hex	6FB6DE
RGB	111, 182, 222
RGB Percent	44%, 71%, 87%
CMY	0.5647, 0.2863, 0.1294
CMYK	0.50, 0.18, 0.00, 0.13
HSL	202°, 63%, 65%
HSV	202°, 50%, 87%
XYZ	36.4683, 42.1093, 75.3131
YIQ	165.3310, -55.1560, -2.6120

Conversions

Conversions Part 2

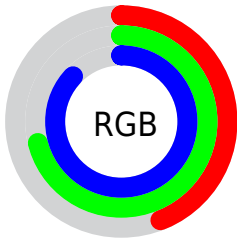
Format	Color
RYB	111, 154, 222
Decimal	7321310
CIELab	70.95, -11.44, -26.97
CIElCh	71, 29.295, 247.008
Yxy	42.1093, 0.2370, 0.2736
Android (android.graphics.Color)	4285511390 (0xFF6FB6DE)
YUV	165.3310, 27.9378, -47.6483
Hunter-Lab	64.8917, -13.2457, -23.3876

Details

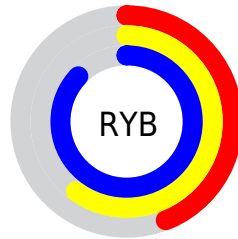
The XYZ color **36.4683, 42.1093, 75.3131** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.0612, 38.8119, 20.2096**, and the grayscale version is **35.8133, 37.6783, 41.0317**.

A 20% lighter version of the original color is **64.7730, 76.6939, 105.9972**, and **16.1905, 19.1943, 39.4108** is the 20% darker color. If you saturate the color by 10%, you get **32.4227, 37.6614, 74.6686**, and if you desaturate by 10%, it is **41.3043, 47.1054, 76.0233**.

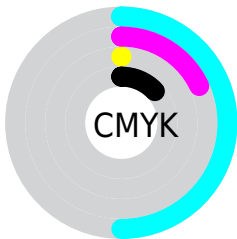
Distribution



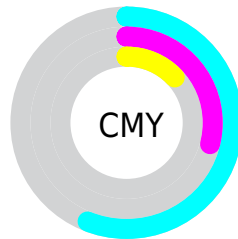
- Red (44%)
- Green (71%)
- Blue (87%)



- Red (44%)
- Yellow (60%)
- Blue (87%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (56%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4683, 42.1093, 75.3131 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 36.4683, 42.1093, 75.3131 by changing the saturation by 10% instead.

■ 36.4683, 42.1093,
75.3131

■ 36.4683, 42.1093,
75.3131

322.3984,
354.9358, 498.2771

■ 24.9679, 29.1869,
55.3662

■ 69.0734, 78.3650,
128.5066

■ 16.1817, 19.2222,
39.2944

■ 90.9088, 102.4671,
162.5903

■ 9.7445, 11.8310,
26.6792

■ 116.9199,
131.0646, 202.2233

■ 5.2908, 6.6287,
17.1021

147.4721,
164.5417, 247.8242

■ 2.4554, 3.2310,
10.1446

182.9307,
203.2831, 299.8115

■ 0.8728, 1.2535,
5.3881

223.6610,

■ 0.0000, 0.1048,

247.6729, 358.6037

2.4140

270.0285,
298.0957, 424.6194

■ 0.0000, 0.0000,
0.7941

■ 0.0000, 0.0000,
0.0000

■ 36.4683, 42.1093,
75.3131

■ 36.4683, 42.1093,
75.3131

■ 32.4227, 37.6614,
74.6686

■ 41.3043, 47.1054,
76.0233

■ 29.1094, 33.7268,
74.0838

■ 46.9752, 52.6722,
76.7989

■ 26.4685, 30.2731,
73.5563

■ 53.5266, 58.8363,
77.6434

■ 24.4272, 27.2605,
73.0824

■ 60.9998, 65.6211,
78.5592

■ 22.8584, 24.6209,
72.6556

■ 69.4329, 73.0485,
79.5483

■ 22.8581, 24.6203,
72.6555

■ 78.8623, 81.1391,
80.6130

■ 85.0003, 87.6847,
81.5529

■ 87.3816, 92.4472,
82.3466

■ 89.8677, 97.4194,
83.1753

Harmonies

Analogous

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



32.9867, 42.1093, 64.0076



36.4683, 42.1093, 75.3131



41.1797, 42.1093, 78.0386

Triad

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



36.4683, 42.1093, 75.3131



50.0807, 42.1093, 42.6479



34.6357, 42.1093, 27.5601

Complementary

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



36.4683, 42.1093, 75.3131



44.0612, 38.8119, 20.2096

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.



38.8894, 42.1093, 24.0107



36.4683, 42.1093, 75.3131



47.9963, 42.1093, 31.4986

Square

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



36.4683, 42.1093, 75.3131



49.3004, 42.1093, 57.1712



43.8028, 42.1093, 25.2897



31.9903, 42.1093, 36.1314

Rectangle

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



36.4683, 42.1093, 75.3131



44.4389, 42.1093, 74.2103



43.8028, 42.1093, 25.2897



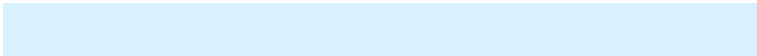
35.9109, 42.1093, 25.8289

Sweetspot

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



36.4697, 42.1109, 75.3141



78.1104, 84.9722, 106.8922



38.1710, 57.8203, 37.9411



16.2606, 17.7699, 22.8228



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.



36.4697, 42.1109, 75.3141



44.1525, 51.2909, 102.1808



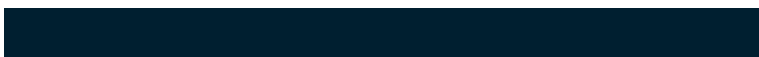
27.4153, 24.0022, 72.2960



13.6795, 14.6981, 17.5037



13.6860, 14.8416, 43.1917



1.0326, 1.1966, 3.0218

Inverse Universe

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



44.2533, 30.2773, 47.7692



56.4009, 34.9266, 58.3298



54.9096, 60.5087, 23.8257



14.0744, 13.8474, 16.1622



20.8483, 10.4063, 16.3986



1.4875, 0.7383, 1.3598

Previews

White Background



This preview shows how the XYZ color 36.4683, 42.1093, 75.3131 looks on a white background.

Color Contrast Check

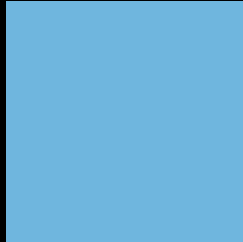
Large Text (above 18pt) WCAG AA × Fail

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 36.4683, 42.1093, 75.3131 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 36.4683, 42.1093, 75.3131

Background



This preview shows how black text looks on a background with the XYZ color 36.4683, 42.1093, 75.3131.

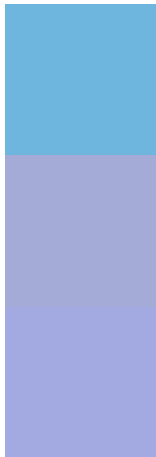


This preview shows how white text looks on a background with the XYZ color 36.4683, 42.1093,

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

36.4683, 42.1093, 75.3131

Protanopia

41.8048, 41.7674, 69.4769

Deuteranopia

42.8656, 41.8671, 77.0561



Tritanopia

33.8104, 42.2779, 61.6368

Trichromacy



Original Color

36.4683, 42.1093, 75.3131

Protanomaly

39.3560, 41.5990, 71.6008

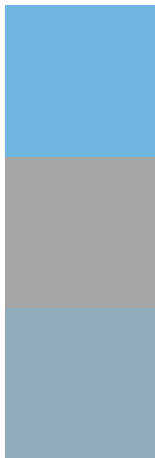
Deuteranomaly

39.9183, 41.4936, 76.4261

Tritanomaly

34.9210, 42.4272, 66.6703

Monochromacy



Original Color

36.4683, 42.1093, 75.3131

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.1029, 38.6907, 52.0723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4683, 42.1093, 75.3131 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(111, 182, 222)` looks like.

```
.text, #text, p{  
    color:rgb(111, 182, 222)  
}
```

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(111, 182, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 182, 222) }
```

Border

The CSS property to change the border of an element to XYZ 36.4683, 42.1093, 75.3131 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(111, 182, 222) }
```


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

```
.border{ border-color:rgb(111, 182, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 182, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 182, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 182, 222);  
box-shadow:4px 4px 4px 4px rgb(111, 182,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4683, 42.1093, 75.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 182, 222) }
```

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

```
.background{ background-color: rgb(111,  
182, 222) }
```

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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