

Converting Colors

XYZ(36.2532, 42.5113, 70.5797)

Have a look what the booklet for
XYZ(36.2532, 42.5113, 70.5797)
contains.

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Color

**XYZ(36.1387, 42.3507,
70.5598)**

Conversions

Conversions Part 1

Format	Color
Hex	72B7D7
RGB	114, 183, 215
RGB Percent	45%, 72%, 84%
CMY	0.5529, 0.2823, 0.1569
CMYK	0.47, 0.15, 0.00, 0.16
HSL	199°, 56%, 65%
HSV	199°, 47%, 84%
XYZ	36.1387, 42.3507, 70.5598
YIQ	166.0170, -51.3960, -4.6760

Conversions

Conversions Part 2

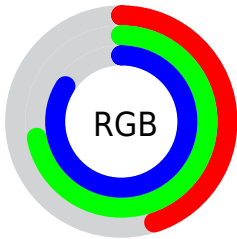
Format	Color
RYB	114, 155, 215
Decimal	7518167
CIELab	71.11, -13.26, -22.88
CIELCh	71, 26.442, 239.914
Yxy	42.3507, 0.2425, 0.2841
Android (android.graphics.Color)	4285708247 (0xFF72B7D7)
YUV	166.0170, 24.1486, -45.6189
Hunter-Lab	65.0774, -14.7611, -18.7306

Details

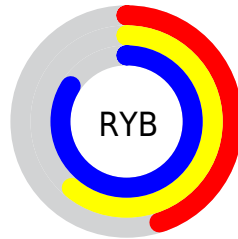
The XYZ color **36.1387, 42.3507, 70.5598** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.3416, 36.2210, 20.7334**, and the grayscale version is **36.1597, 38.0429, 41.4287**.

A 20% lighter version of the original color is **65.7111, 77.6109, 106.1248**, and **15.9587, 19.3441, 36.1504** is the 20% darker color. If you saturate the color by 10%, you get **32.2930, 38.3335, 69.9879**, and if you desaturate by 10%, it is **40.7124, 46.8460, 71.1872**.

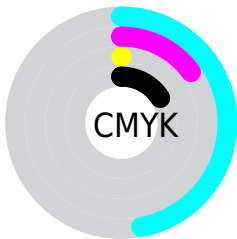
Distribution



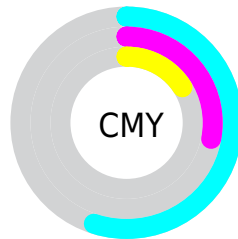
- Red (45%)
- Green (72%)
- Blue (84%)



- Red (45%)
- Yellow (61%)
- Blue (84%)



- Cyan (47%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (55%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1387, 42.3507, 70.5598 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 36.1387, 42.3507, 70.5598 by changing the saturation by 10% instead.

■ 36.1387, 42.3507,
70.5598

■ 36.1387, 42.3507,
70.5598

320.9870,
355.9347, 481.3553

■ 24.7119, 29.3760,
51.5034

■ 68.5686, 78.7301,
121.6953

■ 15.9902, 19.3654,
36.2299

■ 90.3024, 102.9036,
154.6115

■ 9.6080, 11.9346,
24.3207

■ 116.2026,
131.5789, 192.9848

■ 5.2001, 6.6992,
15.3573

146.6346,
165.1402, 237.2336

■ 2.4011, 3.2747,
8.9211

181.9636,
203.9721, 287.7765

■ 0.8457, 1.2768,
4.5937

222.5552,

■ 0.0000, 0.1231,

248.4588, 345.0320

1.9564

268.7745,
298.9849, 409.4188

■ 0.0000, 0.0000,
0.5282

■ 0.0000, 0.0000,
0.0000

■ 36.1387, 42.3507,
70.5598

■ 36.1387, 42.3507,
70.5598

■ 32.2930, 38.3335,
69.9879

■ 40.7124, 46.8460,
71.1872

■ 29.1234, 34.7635,
69.4658

■ 46.0531, 51.8381,
71.8693

■ 26.5775, 31.6131,
68.9919

■ 52.2017, 57.3504,
72.6092

■ 24.5924, 28.8484,
68.5629

■ 59.1951, 63.4032,
73.4089

■ 23.0859, 26.4256,
68.1747

■ 67.0676, 70.0156,
74.2703

■ 22.6815, 25.7376,
68.0632

■ 75.8517, 77.2054,
75.1951

■ 81.9938, 83.1423,
76.0173

■ 83.9342, 87.0231,
76.6641

■ 85.9496, 91.0538,
77.3359

Harmonies

Analogous

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



33.3227, 42.3507, 59.3561



36.1387, 42.3507, 70.5598



40.2403, 42.3507, 75.0072

Triad

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



36.1387, 42.3507, 70.5598



49.3701, 42.3507, 46.1493



36.1593, 42.3507, 28.0599

Complementary

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



36.1387, 42.3507, 70.5598



41.3416, 36.2210, 20.7334

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.



40.2658, 42.3507, 25.7939



36.1387, 42.3507, 70.5598



48.0833, 42.3507, 35.0020

Square

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



36.1387, 42.3507, 70.5598



48.0689, 42.3507, 59.4311



44.6684, 42.3507, 28.0862



33.3340, 42.3507, 34.9494

Rectangle

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



36.1387, 42.3507, 70.5598



43.2197, 42.3507, 73.0110



44.6684, 42.3507, 28.0862



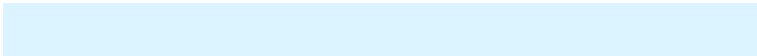
37.4254, 42.3507, 26.7952

Sweetspot

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



36.1401, 42.3523, 70.5608



79.6110, 86.8412, 107.1738



36.4281, 54.2541, 35.7410



16.5794, 18.1845, 22.8861



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.



36.1401, 42.3523, 70.5608



47.7443, 56.6514, 103.0262



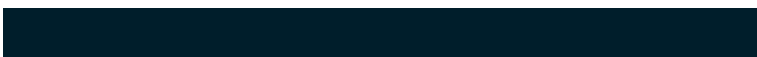
27.5280, 25.1282, 67.6901



12.4450, 13.4134, 15.8706



13.6652, 15.5921, 40.7425



0.8971, 1.0862, 2.4817

Inverse Universe

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



42.5901, 29.9020, 48.3283



58.6589, 37.5336, 64.9675



50.9118, 55.3614, 23.9235



12.7778, 12.5626, 14.7701



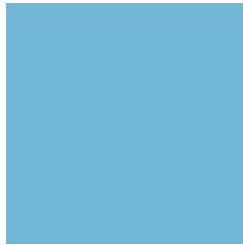
19.9564, 9.9189, 17.6063



1.2405, 0.6130, 1.2557

Previews

White Background



This preview shows how the XYZ color 36.1387, 42.3507, 70.5598 looks on a white background.

Color Contrast Check

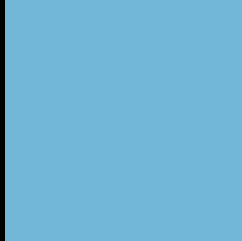
Large Text (above 18pt) WCAG AA × Fail

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 36.1387, 42.3507, 70.5598 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 36.1387, 42.3507, 70.5598

Background



This preview shows how black text looks on a background with the XYZ color 36.1387, 42.3507, 70.5598.



This preview shows how white text looks on a background with the XYZ color 36.1387, 42.3507,

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

36.1387, 42.3507, 70.5598

Protanopia

41.7409, 42.1170, 64.9609

Deuteranopia

42.9660, 42.0269, 72.1771



Tritanopia

34.0810, 42.1193, 60.9772

Trichromacy



Original Color

36.1387, 42.3507, 70.5598

Protanomaly

39.1908, 41.9069, 66.9960

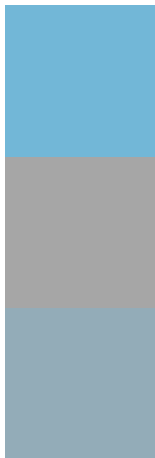
Deuteranomaly

40.0671, 41.9656, 71.6340

Tritanomaly

34.7155, 42.0683, 64.0479

Monochromacy



Original Color

36.1387, 42.3507, 70.5598

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.4369, 39.1688, 51.0400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1387, 42.3507, 70.5598 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(114, 183, 215)` looks like.

```
.text, #text, p{  
    color:rgb(114, 183, 215)  
}
```

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(114, 183, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 183, 215) }
```

Border

The CSS property to change the border of an element to XYZ 36.1387, 42.3507, 70.5598 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(114, 183, 215) }
```


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

```
.border{ border-color:rgb(114, 183, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 183, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 183, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 183, 215);  
box-shadow:4px 4px 4px 4px rgb(114, 183,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1387, 42.3507, 70.5598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 183, 215) }
```

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

```
.background{ background-color: rgb(114,  
183, 215) }
```

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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