

Converting Colors

XYZ(40.6392, 46.6627, 86.1335)

Have a look what the booklet for
XYZ(40.6392, 46.6627, 86.1335)
contains.

XYZ(40.6240, 46.5279, 86.1965)	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(40.6240, 46.5279,
86.1965)**

Conversions

Conversions Part 1

Format	Color
Hex	73BEEC
RGB	115, 190, 236
RGB Percent	45%, 75%, 93%
CMY	0.5490, 0.2549, 0.0745
CMYK	0.51, 0.19, 0.00, 0.07
HSL	203°, 76%, 69%
HSV	203°, 51%, 93%
XYZ	40.6240, 46.5279, 86.1965
YIQ	172.8190, -59.4660, -1.5940

Conversions

Conversions Part 2

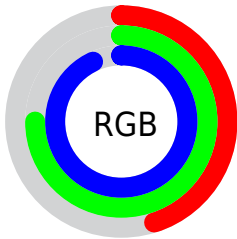
Format	Color
RYB	115, 161, 236
Decimal	7585516
CIELab	73.89, -10.81, -30.04
CIElCh	74, 31.924, 250.207
Yxy	46.5279, 0.2343, 0.2684
Android (android.graphics.Color)	4285775596 (0xFF73BEEC)
YUV	172.8190, 31.1482, -50.7073
Hunter-Lab	68.2114, -13.0623, -27.1749

Details

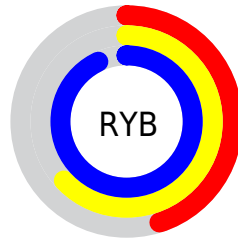
The XYZ color **40.6240, 46.5279, 86.1965** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.4328, 44.5620, 22.1645**, and the grayscale version is **39.4979, 41.5548, 45.2532**.

A 20% lighter version of the original color is **68.2393, 82.0158, 106.8418**, and **18.6521, 21.9435, 46.4325** is the 20% darker color. If you saturate the color by 10%, you get **36.0251, 41.3614, 85.4425**, and if you desaturate by 10%, it is **46.1399, 52.3466, 87.0298**.

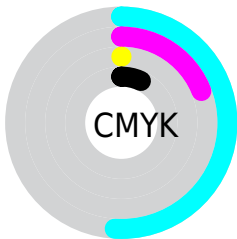
Distribution



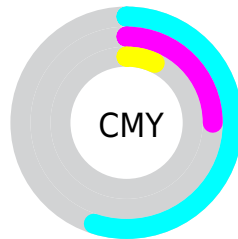
- Red (45%)
- Green (75%)
- Blue (93%)



- Red (45%)
- Yellow (63%)
- Blue (93%)



- Cyan (51%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (55%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6240, 46.5279, 86.1965 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 40.6240, 46.5279, 86.1965 by changing the saturation by 10% instead.

■ 40.6240, 46.5279,
86.1965

■ 40.6240, 46.5279,
86.1965

339.8362,
372.9269, 535.8264

■ 28.2118, 32.6626,
64.2746

■ 75.3911, 85.0085,
143.9326

■ 18.6266, 21.8681,
46.4256

■ 98.4767, 110.3926,
180.5840

■ 11.5032, 13.7600,
32.2307

■ 125.8508,
140.3850, 222.9823

■ 6.4761, 7.9539,
21.2715

157.8787,
175.3703, 271.5460

■ 3.1801, 4.0655,
13.1294

194.9259,
215.7327, 326.6938

■ 1.2497, 1.7103,
7.3859

237.3576,

■ 0.1451, 0.4303,

261.8567, 388.8441

3.6225

285.5392,
314.1266, 458.4154

■ 0.0000, 0.0000,
1.4206

■ 0.0000, 0.0000,
0.1577

■ 40.6240, 46.5279,
86.1965

■ 40.6240, 46.5279,
86.1965

■ 36.0251, 41.3614,
85.4425

■ 46.1399, 52.3466,
87.0298

■ 32.2746, 36.8057,
84.7609

■ 52.6255, 58.8450,
87.9422

■ 29.3007, 32.8216,
84.1486

■ 60.1349, 66.0548,
88.9381

■ 27.0161, 29.3607,
83.6010

■ 68.7166, 74.0040,
90.0201

■ 25.4629, 26.7011,
83.1695

■ 78.4157, 82.7188,
91.1911

■ 88.6813, 91.9179,
92.4256

■ 91.4446, 97.4445,
93.3467

■ 92.1405, 98.8362,
93.5787

Harmonies

Analogous

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



36.3891, 46.5279, 73.6776



40.6240, 46.5279, 86.1965



46.1888, 46.5279, 88.1409

Triad

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



40.6240, 46.5279, 86.1965



55.8778, 46.5279, 45.3134



37.5353, 46.5279, 30.3155

Complementary

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



40.6240, 46.5279, 86.1965



50.4328, 44.5620, 22.1645

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.



42.3145, 46.5279, 25.6738



40.6240, 46.5279, 86.1965



53.1083, 46.5279, 33.0192

Square

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



40.6240, 46.5279, 86.1965



55.3270, 46.5279, 62.0190



48.0293, 46.5279, 26.5442



34.7146, 46.5279, 40.7819

Rectangle

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



40.6240, 46.5279, 86.1965



49.9544, 46.5279, 82.8191



48.0293, 46.5279, 26.5442



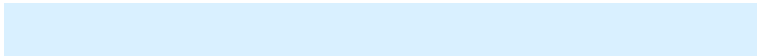
38.9484, 46.5279, 28.1357

Sweetspot

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



40.6255, 46.5296, 86.1976



77.8863, 84.5241, 106.8175



43.3569, 66.1528, 43.4534



16.2065, 17.6617, 22.8048



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.



40.6255, 46.5296, 86.1976



42.4610, 48.7396, 101.7775



30.3463, 25.9712, 82.7712



15.0088, 16.1041, 19.2396



14.1643, 14.9755, 45.8870



1.2045, 1.3605, 3.6340

Inverse Universe

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



50.0184, 33.8136, 52.6073



55.3441, 33.7264, 55.1611



63.2459, 70.1883, 26.4356



15.4580, 15.2111, 17.6971



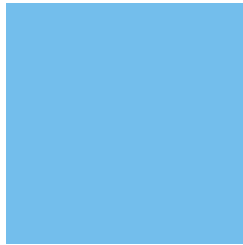
22.0048, 11.0046, 16.3583



1.7745, 0.8828, 1.5299

Previews

White Background



This preview shows how the XYZ color 40.6240, 46.5279, 86.1965 looks on a white background.

Color Contrast Check

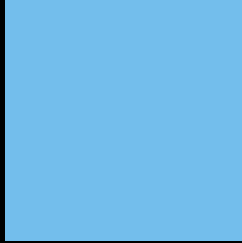
Large Text (above 18pt) WCAG AA × Fail

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 40.6240, 46.5279, 86.1965 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

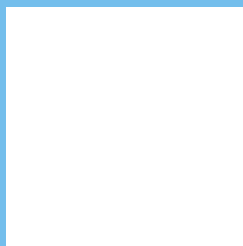
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6240, 46.5279, 86.1965

Background



This preview shows how black text looks on a background with the XYZ color 40.6240, 46.5279, 86.1965.

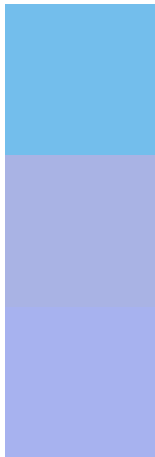


This preview shows how white text looks on a background with the XYZ color 40.6240, 46.5279,

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

40.6240, 46.5279, 86.1965

Protanopia

46.4859, 46.2767, 79.8810

Deuteranopia

47.4367, 46.2883, 88.0957



Tritanopia

37.0918, 46.7475, 68.0410

Trichromacy



Original Color

40.6240, 46.5279, 86.1965

Protanomaly

43.7517, 46.0261, 82.1793

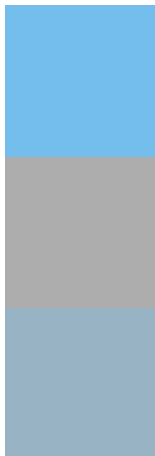
Deuteranomaly

44.3733, 45.9248, 87.4146

Tritanomaly

38.1628, 46.5056, 73.9829

Monochromacy



Original Color

40.6240, 46.5279, 86.1965

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.0328, 42.9011, 58.4480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6240, 46.5279, 86.1965 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(115, 190, 236)` looks like.

```
.text, #text, p{  
    color:rgb(115, 190, 236)  
}
```

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(115, 190, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 190, 236) }
```

Border

The CSS property to change the border of an element to XYZ 40.6240, 46.5279, 86.1965 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(115, 190, 236) }
```


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

```
.border{ border-color:rgb(115, 190, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 190, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 190, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 190, 236);  
box-shadow:4px 4px 4px 4px rgb(115, 190,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6240, 46.5279, 86.1965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 190, 236) }
```

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

```
.background{ background-color: rgb(115,  
190, 236) }
```

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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