

Converting Colors

XYZ(36.2333, 40.8870, 66.9011)

Have a look what the booklet for
XYZ(36.2333, 40.8870, 66.9011)
contains.

XYZ(36.3056, 41.0060, 66.9742)	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(36.3056, 41.0060,
66.9742)**

Conversions

Conversions Part 1

Format	Color
Hex	7FB2D2
RGB	127, 178, 210
RGB Percent	50%, 70%, 82%
CMY	0.5019, 0.3019, 0.1765
CMYK	0.40, 0.15, 0.00, 0.18
HSL	203°, 48%, 66%
HSV	203°, 40%, 82%
XYZ	36.3056, 41.0060, 66.9742
YIQ	166.3990, -40.6680, -0.8600

Conversions

Conversions Part 2

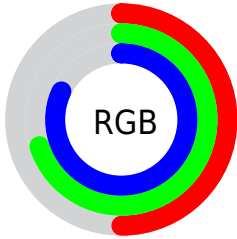
Format	Color
RYB	127, 159, 210
Decimal	8368850
CIELab	70.18, -8.68, -21.50
CIELCh	70, 23.190, 248.014
Yxy	41.0060, 0.2516, 0.2842
Android (android.graphics.Color)	4286558930 (0xFF7FB2D2)
YUV	166.3990, 21.4953, -34.5529
Hunter-Lab	64.0359, -10.8611, -17.1854

Details

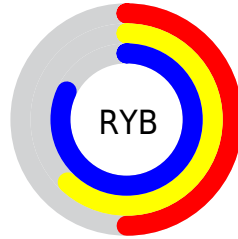
The XYZ color **36.3056, 41.0060, 66.9742** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **42.8079, 40.0307, 25.5502**, and the grayscale version is **36.3529, 38.2461, 41.6500**.

A 20% lighter version of the original color is **66.7642, 76.0107, 105.7604**, and **15.9977, 18.4503, 33.7284** is the 20% darker color. If you saturate the color by 10%, you get **31.9346, 36.4323, 66.3225**, and if you desaturate by 10%, it is **41.4262, 46.1091, 67.6900**.

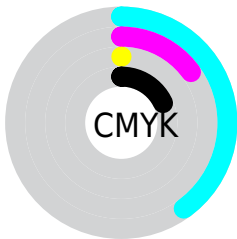
Distribution



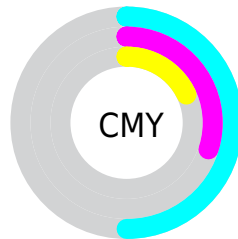
- Red (50%)
- Green (70%)
- Blue (82%)



- Red (50%)
- Yellow (62%)
- Blue (82%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (18%)



- Cyan (50%)
- Magenta (30%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3056, 41.0060, 66.9742 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 36.3056, 41.0060, 66.9742 by changing the saturation by 10% instead.

■ 36.3056, 41.0060,
66.9742

■ 36.3056, 41.0060,
66.9742

321.7023,
350.3457, 468.3519

■ 24.8415, 28.3238,
48.6022

■ 68.8243, 76.6930,
116.5237

■ 16.0871, 18.5699,
33.9406

■ 90.6096, 100.4666,
148.5384

■ 9.6771, 11.3599,
22.5710

■ 116.5660,
128.7060, 185.9376

■ 5.2460, 6.3094,
14.0748

147.0589,
161.7958, 229.1400

■ 2.4285, 3.0341,
8.0333

182.4536,
200.1202, 278.5641

■ 0.8594, 1.1496,
4.0282

223.1155,

■ 0.0000, 0.0199,

244.0638, 334.6284

1.6408

269.4100,
294.0108, 397.7515

■ 0.0000, 0.0000,
0.3197

■ 0.0000, 0.0000,
0.0000

■ 36.3056, 41.0060,
66.9742

■ 36.3056, 41.0060,
66.9742

■ 31.9346, 36.4323,
66.3225

■ 41.4262, 46.1091,
67.6900

■ 28.2667, 32.3588,
65.7296

■ 47.3312, 51.7592,
68.4694

■ 25.2562, 28.7606,
65.1937

■ 54.0580, 57.9788,
69.3153

■ 22.8496, 25.6074,
64.7119

■ 61.6403, 64.7874,
70.2299

■ 20.9841, 22.8642,
64.2807

■ 70.1099, 72.2036,
71.2150

■ 19.5522, 20.4729,
63.8946

■ 79.4966, 80.2450,
72.2724

■ 19.4886, 20.3644,
63.8771

■ 82.4885, 85.1443,
73.0604

■ 84.8553, 89.8778,
73.8493

■ 87.3289, 94.8250,
74.6738

Harmonies

Analogous

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



33.5022, 41.0060, 58.8003



36.3056, 41.0060, 66.9742



40.0016, 41.0060, 68.7137

Triad

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



36.3056, 41.0060, 66.9742



46.6592, 41.0060, 41.7969



34.6502, 41.0060, 30.1205

Complementary

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



36.3056, 41.0060, 66.9742



42.8079, 40.0307, 25.5502

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.



37.9661, 41.0060, 26.9820



36.3056, 41.0060, 66.9742



45.0134, 41.0060, 32.9718

Square

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



36.3056, 41.0060, 66.9742



46.1430, 41.0060, 52.9411



41.7721, 41.0060, 27.9338



32.5906, 41.0060, 37.2706

Rectangle

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



36.3056, 41.0060, 66.9742



42.5050, 41.0060, 65.7640



41.7721, 41.0060, 27.9338



35.6460, 41.0060, 28.6190

Sweetspot

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



36.3069, 41.0076, 66.9752



81.0260, 87.3540, 107.1982



38.0420, 53.1029, 40.9634



17.0415, 18.4201, 22.9072



0.0000, 0.0000, 0.0000



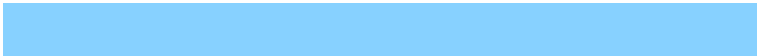
20.3446, 21.4041, 23.3091

Same Dimension

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



36.3069, 41.0076, 66.9752



50.8160, 57.8837, 103.1021



29.2869, 26.9677, 64.6352



11.7597, 12.6097, 15.0578



11.9876, 12.6219, 38.9969



0.7459, 0.8570, 2.2057

Inverse Universe

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



42.2046, 32.0958, 46.0919



61.4082, 43.2231, 65.2949



51.1376, 56.6902, 28.3268



12.1096, 11.9286, 13.8530



18.6815, 9.3455, 13.7610



1.0827, 0.5378, 0.9704

Previews

White Background



This preview shows how the XYZ color 36.3056, 41.0060, 66.9742 looks on a white background.

Color Contrast Check

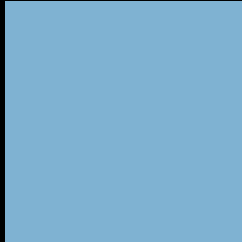
Large Text (above 18pt) WCAG AA × Fail

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 36.3056, 41.0060, 66.9742 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 36.3056, 41.0060, 66.9742

Background



This preview shows how black text looks on a background with the XYZ color 36.3056, 41.0060, 66.9742.



This preview shows how white text looks on a background with the XYZ color 36.3056, 41.0060,

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

36.3056, 41.0060, 66.9742

Protanopia

40.3969, 40.6281, 62.8396

Deuteranopia

41.8226, 40.9742, 67.9919



Tritanopia

34.5426, 41.1988, 57.7613

Trichromacy



Original Color

36.3056, 41.0060, 66.9742

Protanomaly

38.6556, 40.5406, 64.1803

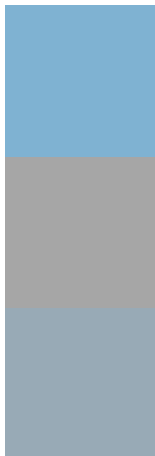
Deuteranomaly

39.4593, 40.8836, 67.4396

Tritanomaly

35.0588, 41.0977, 60.7284

Monochromacy



Original Color

36.3056, 41.0060, 66.9742

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.7671, 38.8022, 49.8604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3056, 41.0060, 66.9742 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(127, 178, 210)` looks like.

```
.text, #text, p{  
    color:rgb(127, 178, 210)  
}
```

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(127, 178, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 178, 210) }
```

Border

The CSS property to change the border of an element to XYZ 36.3056, 41.0060, 66.9742 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(127, 178, 210) }
```


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

```
.border{ border-color:rgb(127, 178, 210) }
```

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

Here you see how a box with a 4 pixel rgb(127, 178, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 178, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 178, 210);  
box-shadow:4px 4px 4px 4px rgb(127, 178,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3056, 41.0060, 66.9742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 178, 210) }
```

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

```
.background{ background-color: rgb(127,  
178, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor