

Converting Colors

XYZ(38.7600, 46.0290, 65.2341)

Have a look what the booklet for
XYZ(38.7600, 46.0290, 65.2341)
contains.

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Color

**XYZ(38.7600, 46.0290,
65.2341)**

Conversions

Conversions Part 1

Format	Color
Hex	82BECE
RGB	130, 190, 206
RGB Percent	51%, 75%, 81%
CMY	0.4902, 0.2549, 0.1922
CMYK	0.37, 0.08, 0.00, 0.19
HSL	193°, 44%, 66%
HSV	193°, 37%, 81%
XYZ	38.7600, 46.0290, 65.2341
YIQ	173.8840, -40.8960, -7.7440

Conversions

Conversions Part 2

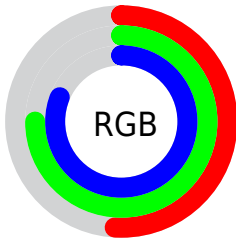
Format	Color
R _Y B	130, 164, 206
Decimal	8568526
CIE Lab	73.56, -15.27, -14.18
CIE LCh	74, 20.841, 222.883
Yxy	46.0290, 0.2584, 0.3068
Android (android.graphics.Color)	4286758606 (0xFF82BECE)
YUV	173.8840, 15.8332, -38.4863
Hunter-Lab	67.8447, -16.7502, -9.5173

Details

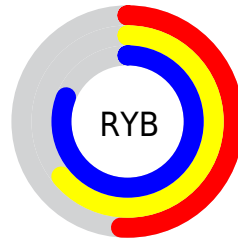
The XYZ color **38.7600, 46.0290, 65.2341** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7625, 35.2920, 25.8367**, and the grayscale version is **40.1101, 42.1990, 45.9547**.

A 20% lighter version of the original color is **71.0134, 83.4458, 106.9716**, and **17.5936, 21.6948, 32.9660** is the 20% darker color. If you saturate the color by 10%, you get **34.9860, 42.7108, 64.7933**, and if you desaturate by 10%, it is **43.1973, 49.7328, 65.7159**.

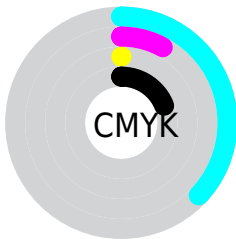
Distribution



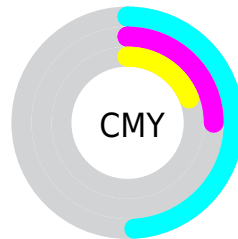
- Red (51%)
- Green (75%)
- Blue (81%)



- Red (51%)
- Yellow (64%)
- Blue (81%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (49%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7600, 46.0290, 65.2341 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 38.7600, 46.0290, 65.2341 by changing the saturation by 10% instead.

■ 38.7600, 46.0290,
65.2341

■ 38.7600, 46.0290,
65.2341

332.0938,
370.9252, 461.9620

■ 26.7530, 32.2687,
47.1984

■ 72.5680, 84.2624,
114.0029

■ 17.5234, 21.5668,
32.8370

■ 95.0996, 109.5043,
145.5730

■ 10.7060, 13.5390,
21.7315

■ 121.8701,
139.3422, 182.4916

■ 5.9353, 7.8007,
13.4633

153.2449,
174.1604, 225.1774

■ 2.8461, 3.9677,
7.6139

189.5893,
214.3435, 274.0487

■ 1.0729, 1.6555,
3.7647

231.2687,

■ 0.0023, 0.3946,

260.2757, 329.5242

1.4972

278.6484,
312.3415, 392.0225

■ 0.0000, 0.0000,
0.2158

■ 0.0000, 0.0000,
0.0000

■ 38.7600, 46.0290,
65.2341

■ 38.7600, 46.0290,
65.2341

■ 34.9860, 42.7108,
64.7933

■ 43.1973, 49.7328,
65.7159

■ 31.8329, 39.7528,
64.3886

■ 48.3288, 53.8351,
66.2373

■ 29.2598, 37.1346,
64.0188

■ 54.1883, 58.3550,
66.8009

■ 27.2191, 34.8311,
63.6818

■ 60.8062, 63.3084,
67.4082

■ 25.6549, 32.8134,
63.3748

■ 68.2113, 68.7105,
68.0606

■ 24.4937, 31.0432,
63.0943

■ 76.4306, 74.5755,
68.7595

■ 24.1736, 30.5220,
63.0105

■ 78.0680, 77.0909,
69.1587

■ 79.2235, 79.4018,
69.5438

■ 80.4086, 81.7721,
69.9389

Harmonies

Analogous

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



37.1991, 46.0290, 54.7799



38.7600, 46.0290, 65.2341



41.6968, 46.0290, 72.1205

Triad

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



38.7600, 46.0290, 65.2341



50.8763, 46.0290, 56.3305



42.1883, 46.0290, 32.8246

Complementary

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



38.7600, 46.0290, 65.2341



39.7625, 35.2920, 25.8367

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.



45.8679, 46.0290, 33.1181



38.7600, 46.0290, 65.2341



51.0262, 46.0290, 45.7280

Square

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



38.7600, 46.0290, 65.2341



48.7503, 46.0290, 66.5058



49.1491, 46.0290, 37.5380



39.1024, 46.0290, 36.6707

Rectangle

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



38.7600, 46.0290, 65.2341



44.1066, 46.0290, 73.2391



49.1491, 46.0290, 37.5380



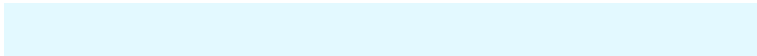
43.3937, 46.0290, 32.4601

Sweetspot

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



38.7614, 46.0308, 65.2352



83.6180, 91.3531, 107.8335



36.4046, 50.9399, 34.7839



17.6186, 19.3381, 23.0540



0.0000, 0.0000, 0.0000



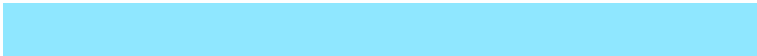
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7614, 46.0308, 65.2352



58.0259, 70.4074, 105.1394



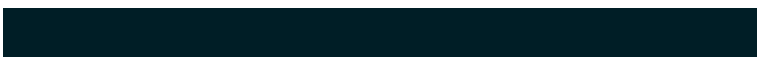
31.7062, 31.9204, 62.8834



11.3350, 12.3105, 14.3491



14.9574, 18.9388, 38.8235



0.8232, 1.0802, 2.0200

Inverse Universe

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



42.7317, 32.8061, 52.7972



65.5102, 46.6360, 81.4330



46.4586, 48.6841, 28.0687



11.5825, 11.3617, 13.6019



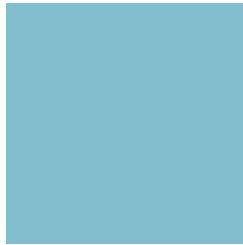
19.7607, 9.7149, 22.2563



1.0455, 0.5116, 1.2853

Previews

White Background



This preview shows how the XYZ color 38.7600, 46.0290, 65.2341 looks on a white background.

Color Contrast Check

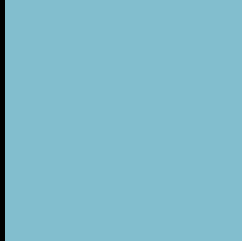
Large Text (above 18pt) WCAG AA × Fail

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 38.7600, 46.0290, 65.2341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

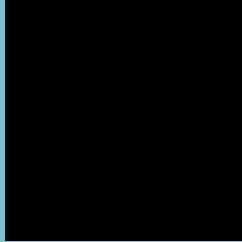
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7600, 46.0290, 65.2341

Background



This preview shows how black text looks on a background with the XYZ color 38.7600, 46.0290, 65.2341.



This preview shows how white text looks on a background with the XYZ color 38.7600, 46.0290,

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

38.7600, 46.0290, 65.2341

Protanopia

44.7890, 45.8287, 60.5180

Deuteranopia

46.8011, 45.8445, 66.7038



Tritanopia

38.6388, 45.9805, 64.5963

Trichromacy



Original Color

38.7600, 46.0290, 65.2341

Protanomaly

42.2921, 45.7083, 62.4707

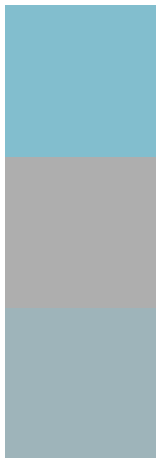
Deuteranomaly

43.2189, 45.4943, 66.1779

Tritanomaly

38.6388, 45.9805, 64.5963

Monochromacy



Original Color

38.7600, 46.0290, 65.2341

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.2847, 43.4568, 52.7718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7600, 46.0290, 65.2341 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(130, 190, 206)` looks like.

```
.text, #text, p{  
    color:rgb(130, 190, 206)  
}
```

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(130, 190, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 190, 206) }
```

Border

The CSS property to change the border of an element to XYZ 38.7600, 46.0290, 65.2341 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(130, 190, 206) }
```


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

```
.border{ border-color:rgb(130, 190, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 190, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 190, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 190, 206);  
box-shadow:4px 4px 4px 4px rgb(130, 190,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7600, 46.0290, 65.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 190, 206) }
```

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

```
.background{ background-color: rgb(130,  
190, 206) }
```

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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