

Converting Colors

XYZ(36.3751, 42.5710,
100.9076)

Have a look what the booklet for
XYZ(36.3751, 42.5710, 100.9076)
contains.

XYZ(36.2740, 42.3690, 100.8739)	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(36.2740, 42.3690,
100.8739)**

Conversions

Conversions Part 1

Format	Color
Hex	28B9FF
RGB	40, 185, 255
RGB Percent	16%, 73%, 100%
CMY	0.8430, 0.2745, 0.0000
CMYK	0.84, 0.27, 0.00, 0.00
HSL	200°, 100%, 58%
HSV	200°, 84%, 100%
XYZ	36.2740, 42.3690, 100.8739
YIQ	149.6250, -108.8900, -8.9700

Conversions

Conversions Part 2

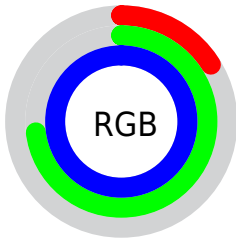
Format	Color
RYB	40, 127, 255
Decimal	2669055
CIELab	71.12, -12.86, -44.76
CIELCh	71, 46.566, 253.971
Yxy	42.3690, 0.2021, 0.2360
Android (android.graphics.Color)	4280859135 (0xFF28B9FF)
YUV	149.6250, 51.9499, -96.1411
Hunter-Lab	65.0915, -14.4361, -46.3192

Details

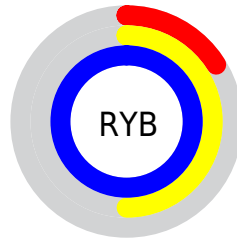
The XYZ color **36.2740, 42.3690, 100.8739** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **47.2017, 32.5700, 5.8085**, and the grayscale version is **28.6544, 30.1467, 32.8297**.

A 20% lighter version of the original color is **57.6737, 74.3415, 105.9174**, and **18.4443, 20.5797, 56.4262** is the 20% darker color. If you saturate the color by 10%, you get **33.9021, 38.6431, 100.2798**, and if you desaturate by 10%, it is **39.4023, 46.6367, 101.5328**.

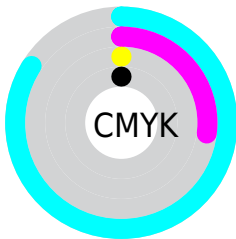
Distribution



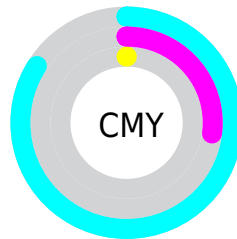
- Red (16%)
- Green (73%)
- Blue (100%)



- Red (16%)
- Yellow (50%)
- Blue (100%)



- Cyan (84%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2740, 42.3690, 100.8739 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 36.2740, 42.3690, 100.8739 by changing the saturation by 10% instead.

■ 36.2740, 42.3690,
100.8739

■ 36.2740, 42.3690,
100.8739

321.5670,
356.0103, 584.2614

■ 24.8170, 29.3903,
76.4096

■ 68.7759, 78.7578,
164.4199

■ 16.0688, 19.3763,
56.2598

■ 90.5514, 102.9367,
204.3388

■ 9.6640, 11.9425,
40.0059

■ 116.4972,
131.6178, 250.2462

■ 5.2373, 6.7045,
27.2293

■ 146.9786,
165.1855, 302.5608

■ 2.4233, 3.2780,
17.5115

182.3609,
204.0243, 361.7011

■ 0.8568, 1.2785,
10.4341

223.0095,

■ 0.0000, 0.1245,

248.5184, 428.0856

5.5784

269.2897,
299.0522, 502.1329

■ 0.0000, 0.0000,
2.5258

■ 0.0000, 0.0000,
0.8538

■ 36.2740, 42.3690,
100.8739

■ 36.2740, 42.3690,
100.8739

■ 33.9021, 38.6431,
100.2798

■ 39.4023, 46.6367,
101.5328

■ 32.7968, 36.7136,
99.9656

■ 43.3954, 51.5027,
102.2616

■ 48.3470, 57.0183,
103.0652

■ 54.3364, 63.2268,
103.9479

■ 61.4345, 70.1671,
104.9134

■ 69.7053, 77.8743,
105.9651

■ 79.2079, 86.3813,
107.1063

■ 89.9970, 95.7183,
108.3399

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



30.4226, 42.3690, 82.7912



36.2740, 42.3690, 100.8739



43.9966, 42.3690, 101.5473

Triad

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



36.2740, 42.3690, 100.8739



56.6273, 42.3690, 36.5304



30.7393, 42.3690, 21.6321

Complementary

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



36.2740, 42.3690, 100.8739



47.2017, 32.5700, 5.8085

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.



36.7609, 42.3690, 15.7674



36.2740, 42.3690, 100.8739



52.0426, 42.3690, 22.2964

Square

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



36.2740, 42.3690, 100.8739



56.4527, 42.3690, 59.0222



44.5502, 42.3690, 15.9632



27.5201, 42.3690, 35.2712

Rectangle

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



36.2740, 42.3690, 100.8739



49.2346, 42.3690, 91.6443



44.5502, 42.3690, 15.9632



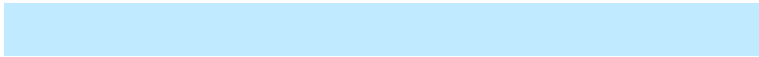
32.4663, 42.3690, 18.9156

Sweetspot

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



36.2754, 42.3704, 100.8741



69.0907, 77.3126, 105.8891



39.3481, 73.0564, 26.2427



14.1432, 15.9535, 22.5838



0.0000, 0.0000, 0.0000



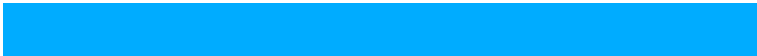
20.3446, 21.4041, 23.3091

Same Dimension

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



36.2754, 42.3704, 100.8741



32.7968, 36.7136, 99.9656



21.7536, 13.3267, 96.0335



18.0271, 19.4258, 23.0494



17.2788, 19.4672, 52.2814



1.7819, 2.0945, 5.1236

Inverse Universe

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



50.7568, 26.2821, 48.2978



48.6835, 24.2374, 41.1269



66.0738, 70.3141, 12.0992



18.5263, 18.1938, 21.3888



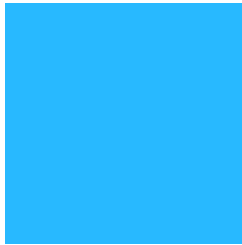
25.5097, 12.6932, 21.8665



2.5340, 1.2560, 2.3936

Previews

White Background



This preview shows how the XYZ color 36.2740, 42.3690, 100.8739 looks on a white background.

Color Contrast Check

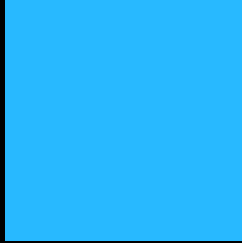
Large Text (above 18pt) WCAG AA × Fail

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 36.2740, 42.3690, 100.8739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

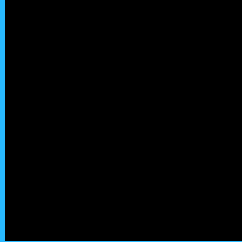
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

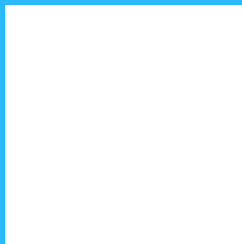
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2740, 42.3690, 100.8739

Background



This preview shows how black text looks on a background with the XYZ color 36.2740, 42.3690, 100.8739.



This preview shows how white text looks on a background with the XYZ color 36.2740, 42.3690,

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

36.2740, 42.3690, 100.8739

Protanopia

43.1301, 41.7045, 90.5706

Deuteranopia

42.9559, 41.9593, 100.4427



Tritanopia

30.1121, 42.2043, 65.5906

Trichromacy



Original Color

36.2740, 42.3690, 100.8739

Protanomaly

38.5489, 40.6903, 93.8180

Deuteranomaly

39.1390, 41.4310, 100.5419

Tritanomaly

31.8491, 41.8786, 76.9258

Monochromacy



Original Color

36.2740, 42.3690, 100.8739

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.6047, 33.1402, 52.4660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2740, 42.3690, 100.8739 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(40, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(40, 185, 255)  
}
```

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(40, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 185, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.2740, 42.3690, 100.8739 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(40, 185, 255) }
```


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

```
.border{ border-color:rgb(40, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(40, 185,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2740, 42.3690, 100.8739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 185, 255) }
```

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

```
.background{ background-color: rgb(40, 185,  
255) }
```

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