

Converting Colors

XYZ(37.2734, 45.9703, 96.7906)

Have a look what the booklet for
XYZ(37.2734, 45.9703, 96.7906)
contains.

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Color

**XYZ(37.1536, 45.8164,
96.5078)**

Conversions

Conversions Part 1

Format	Color
Hex	25C2F9
RGB	37, 194, 249
RGB Percent	15%, 76%, 98%
CMY	0.8548, 0.2392, 0.0235
CMYK	0.85, 0.22, 0.00, 0.02
HSL	196°, 95%, 56%
HSV	196°, 85%, 98%
XYZ	37.1536, 45.8164, 96.5078
YIQ	153.3270, -111.2270, -16.1790

Conversions

Conversions Part 2

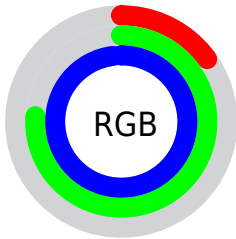
Format	Color
R _Y B	37, 127, 249
Decimal	2474745
CIE Lab	73.43, -19.87, -37.93
CIE LCh	73, 42.823, 242.353
Yxy	45.8164, 0.2070, 0.2553
Android (android.graphics.Color)	4280664825 (0xFF25C2F9)
YUV	153.3270, 47.1668, -102.0188
Hunter-Lab	67.6878, -20.4757, -37.1529

Details

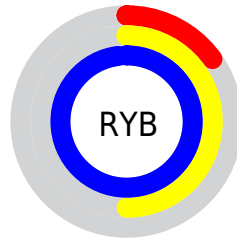
The XYZ color **37.1536, 45.8164, 96.5078** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.2309, 27.9321, 4.8652**, and the grayscale version is **30.2600, 31.8359, 34.6693**.

A 20% lighter version of the original color is **60.4323, 80.2793, 106.9181**, and **18.8925, 22.5619, 53.2283** is the 20% darker color. If you saturate the color by 10%, you get **35.1379, 42.6896, 96.0114**, and if you desaturate by 10%, it is **39.8426, 49.3846, 97.0557**.

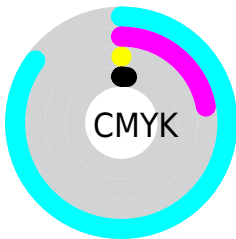
Distribution



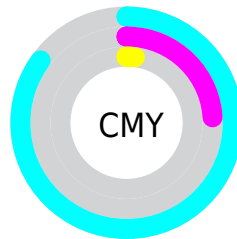
- Red (15%)
- Green (76%)
- Blue (98%)



- Red (15%)
- Yellow (50%)
- Blue (98%)



- Cyan (85%)
- Magenta (22%)
- Yellow (0%)
- Black (2%)



- Cyan (85%)
- Magenta (24%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1536, 45.8164, 96.5078 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 37.1536, 45.8164, 96.5078 by changing the saturation by 10% instead.

■ 37.1536, 45.8164,
96.5078

■ 37.1536, 45.8164,
96.5078

325.3190,
370.0700, 570.0880

■ 25.5007, 32.1010,
72.7868

■ 70.1213, 83.9442,
158.3595

■ 16.5812, 21.4386,
53.3108

■ 92.1667, 109.1253,
197.3272

■ 10.0298, 13.4450,
37.6616

■ 118.4070,
138.8971, 242.2143

■ 5.4811, 7.7357,
25.4203

■ 149.2075,
173.6439, 293.4392

■ 2.5699, 3.9263,
16.1686

■ 184.9336,
213.7503, 351.4204

■ 0.9306, 1.6324,
9.4879

225.9507,

■ 0.0000, 0.3793,

259.6005, 416.5767

4.9596

272.6240,
311.5789, 489.3263

■ 0.0000, 0.0000,
2.1653

■ 0.0000, 0.0000,
0.6542

■ 37.1536, 45.8164,
96.5078

■ 37.1536, 45.8164,
96.5078

■ 35.1379, 42.6896,
96.0114

■ 39.8426, 49.3846,
97.0557

■ 34.3219, 41.2853,
95.7834

■ 43.3075, 53.4460,
97.6570

■ 47.6372, 58.0482,
98.3172

■ 52.9067, 63.2311,
99.0398

■ 59.1825, 69.0301,
99.8284

■ 66.5249, 75.4772,
100.6858

■ 74.9892, 82.6021,
101.6149

■ 84.6267, 90.4322,
102.6183

■ 93.1957, 97.8128,
103.5913

Harmonies

Analogous

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



32.4011, 45.8164, 75.5991



37.1536, 45.8164, 96.5078



44.1456, 45.8164, 104.0083

Triad

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



37.1536, 45.8164, 96.5078



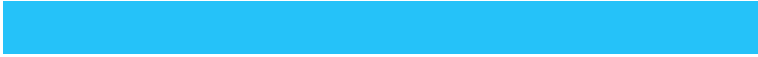
59.7177, 45.8164, 48.1994



36.2330, 45.8164, 22.3668

Complementary

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



37.1536, 45.8164, 96.5078



43.2309, 27.9321, 4.8652

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.



42.9540, 45.8164, 18.8143



37.1536, 45.8164, 96.5078



56.9945, 45.8164, 30.7852

Square

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



37.1536, 45.8164, 96.5078



57.7103, 45.8164, 71.7666



50.6350, 45.8164, 21.3821



31.9144, 45.8164, 32.9775

Rectangle

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



37.1536, 45.8164, 96.5078



49.3032, 45.8164, 99.0492



50.6350, 45.8164, 21.3821



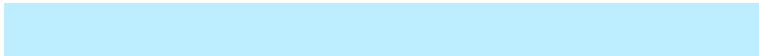
38.2574, 45.8164, 20.4728

Sweetspot

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



37.1552, 45.8180, 96.5089



69.4777, 79.0320, 106.2006



36.4862, 68.8844, 21.0501



14.2754, 16.3986, 22.6628



0.0000, 0.0000, 0.0000



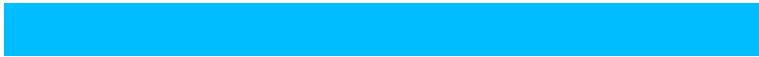
20.3446, 21.4041, 23.3091

Same Dimension

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



37.1552, 45.8180, 96.5089



36.2128, 43.5456, 101.1043



21.5207, 14.5489, 91.2974



17.3624, 18.8015, 22.0993



18.4929, 22.3415, 51.3112



1.7984, 2.2405, 4.7808

Inverse Universe

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



49.4675, 25.3598, 53.3280



50.4078, 24.9271, 50.2067



59.1432, 59.7567, 10.1693



17.7894, 17.4431, 20.7469



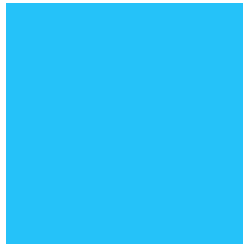
25.6264, 12.6663, 25.8048



2.4167, 1.1904, 2.6176

Previews

White Background



This preview shows how the XYZ color 37.1536, 45.8164, 96.5078 looks on a white background.

Color Contrast Check

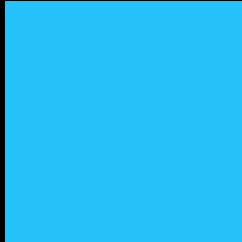
Large Text (above 18pt) WCAG AA × Fail

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 37.1536, 45.8164, 96.5078 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

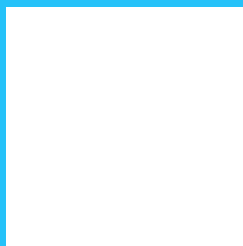
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1536, 45.8164, 96.5078

Background



This preview shows how black text looks on a background with the XYZ color 37.1536, 45.8164, 96.5078.

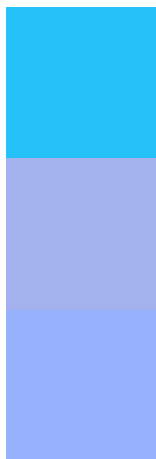


This preview shows how white text looks on a background with the XYZ color 37.1536, 45.8164,

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

37.1536, 45.8164, 96.5078

Protanopia

45.9667, 45.2869, 85.6754

Deuteranopia

46.4007, 45.2115, 99.2096



Tritanopia

32.6892, 45.7531, 71.3983

Trichromacy



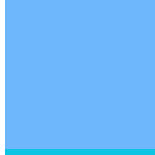
Original Color

37.1536, 45.8164, 96.5078



Protanomaly

40.1468, 43.9998, 89.5959



Deuteranomaly

40.9346, 44.2102, 98.4714



Tritanomaly

33.9974, 45.5641, 79.6760

Monochromacy



Original Color

37.1536, 45.8164, 96.5078



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.6353, 35.0156, 52.7737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1536, 45.8164, 96.5078 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(37, 194, 249)` looks like.

```
.text, #text, p{  
    color:rgb(37, 194, 249)  
}
```

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(37, 194, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 194, 249) }
```

Border

The CSS property to change the border of an element to XYZ 37.1536, 45.8164, 96.5078 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(37, 194, 249) }
```


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

```
.border{ border-color:rgb(37, 194, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 194, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 194, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 194, 249);  
box-shadow:4px 4px 4px 4px rgb(37, 194,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1536, 45.8164, 96.5078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 194, 249) }
```

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

```
.background{ background-color: rgb(37, 194,  
249) }
```

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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