

Converting Colors

XYZ(37.0256, 40.7187, 91.1294)

Have a look what the booklet for
XYZ(37.0256, 40.7187, 91.1294)
contains.

XYZ(37.1793, 40.9138, 91.5256)	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(37.1793, 40.9138,
91.5256)**

Conversions

Conversions Part 1

Format	Color
Hex	61B2F4
RGB	97, 178, 244
RGB Percent	38%, 70%, 96%
CMY	0.6196, 0.3020, 0.0431
CMYK	0.60, 0.27, 0.00, 0.04
HSL	207°, 87%, 67%
HSV	207°, 60%, 96%
XYZ	37.1793, 40.9138, 91.5256
YIQ	161.3050, -69.4620, 3.3540

Conversions

Conversions Part 2

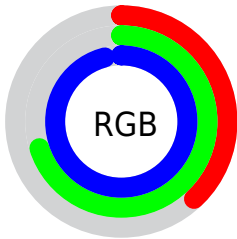
Format	Color
R _Y B	97, 149, 244
Decimal	6402804
CIE Lab	70.12, -5.52, -40.28
CIE LCh	70, 40.653, 262.202
Yxy	40.9138, 0.2192, 0.2412
Android (android.graphics.Color)	4284592884 (0xFF61B2F4)
YUV	161.3050, 40.7686, -56.3955
Hunter-Lab	63.9639, -8.1829, -40.0630

Details

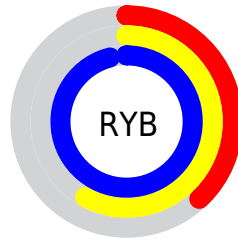
The XYZ color **37.1793, 40.9138, 91.5256** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.5650, 46.2933, 17.4762**, and the grayscale version is **33.8590, 35.6223, 38.7927**.

A 20% lighter version of the original color is **61.5734, 73.3347, 105.5175**, and **16.5965, 18.5951, 49.7282** is the 20% darker color. If you saturate the color by 10%, you get **32.8746, 35.5875, 90.7252**, and if you desaturate by 10%, it is **42.4603, 47.0032, 92.4235**.

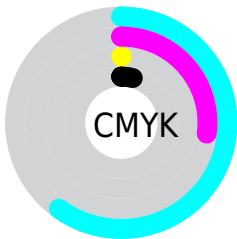
Distribution



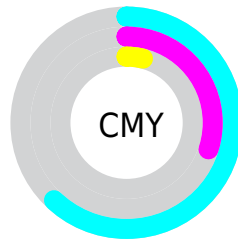
- Red (38%)
- Green (70%)
- Blue (96%)



- Red (38%)
- Yellow (58%)
- Blue (96%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)



- Cyan (62%)
- Magenta (30%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1793, 40.9138, 91.5256 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 37.1793, 40.9138, 91.5256 by changing the saturation by 10% instead.

■ 37.1793, 40.9138,
91.5256

■ 37.1793, 40.9138,
91.5256

325.4282,
349.9602, 553.6788

■ 25.5207, 28.2517,
68.6658

■ 70.1605, 76.5530,
151.4097

■ 16.5962, 18.5155,
49.9696

■ 92.2138, 100.2990,
189.2711

■ 10.0405, 11.3207,
35.0182

■ 118.4626,
128.5083, 232.9702

■ 5.4883, 6.2830,
23.3932

■ 149.2724,
161.5655, 282.9254

■ 2.5742, 3.0179,
14.6761

185.0085,
199.8549, 339.5553

■ 0.9328, 1.1411,
8.4483

226.0363,

■ 0.0000, 0.0128,

243.7609, 403.2785

4.2913

272.7211,
293.6678, 474.5135

■ 0.0000, 0.0000,
1.7864

■ 0.0000, 0.0000,
0.4190

■ 37.1793, 40.9138,
91.5256

■ 37.1793, 40.9138,
91.5256

■ 32.8746, 35.5875,
90.7252

■ 42.4603, 47.0032,
92.4235

■ 29.4618, 30.9728,
90.0144

■ 48.7835, 53.8935,
93.4201

■ 26.8476, 27.0159,
89.3884

■ 56.2136, 61.6243,
94.5207

■ 24.9162, 23.7056,
88.8512

■ 64.8085, 70.2309,
95.7290

■ 74.6218, 79.7462,
97.0484

■ 85.7036, 90.2012,
98.4823

■ 93.2306, 99.1144,
99.8060

■ 93.3293, 99.3117,
99.8389

Harmonies

Analogous

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



31.5704, 40.9138, 80.1689



37.1793, 40.9138, 91.5256



43.9179, 40.9138, 87.7415

Triad

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



37.1793, 40.9138, 91.5256



51.9570, 40.9138, 32.1025



29.6399, 40.9138, 25.6743

Complementary

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



37.1793, 40.9138, 91.5256



52.5650, 46.2933, 17.4762

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.



34.2564, 40.9138, 18.5317



37.1793, 40.9138, 91.5256



47.2555, 40.9138, 21.4386

Square

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



37.1793, 40.9138, 91.5256



52.9693, 40.9138, 49.7000



40.6469, 40.9138, 17.2398



27.5525, 40.9138, 39.7652

Rectangle

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



37.1793, 40.9138, 91.5256



48.1170, 40.9138, 77.5248



40.6469, 40.9138, 17.2398



30.9205, 40.9138, 22.5676

Sweetspot

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



37.1808, 40.9152, 91.5266



73.9071, 79.8586, 106.1267



43.6886, 69.8067, 44.7534



15.1783, 16.4634, 22.6277



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.



37.1808, 40.9152, 91.5266



35.5383, 38.2954, 100.1264



26.4975, 19.5488, 87.9655



16.3382, 17.4406, 21.0478



13.6865, 13.1667, 48.3581



1.3054, 1.3623, 4.2844

Inverse Universe

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



49.6201, 30.9986, 45.4887



51.0196, 28.8178, 42.1882



68.9469, 79.0570, 22.9368



16.8813, 16.6354, 19.1214



22.7128, 11.4286, 13.7280



2.0480, 1.0252, 1.4791

Previews

White Background



This preview shows how the XYZ color 37.1793, 40.9138, 91.5256 looks on a white background.

Color Contrast Check

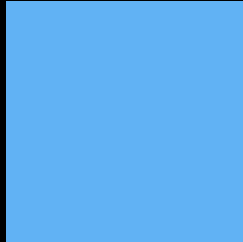
Large Text (above 18pt) WCAG AA × Fail

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 37.1793, 40.9138, 91.5256 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

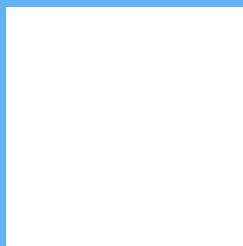
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1793, 40.9138, 91.5256

Background



This preview shows how black text looks on a background with the XYZ color 37.1793, 40.9138, 91.5256.

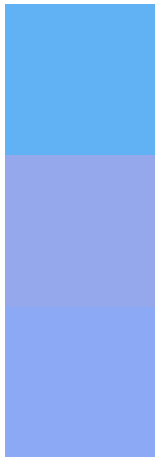


This preview shows how white text looks on a background with the XYZ color 37.1793, 40.9138,

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

37.1793, 40.9138, 91.5256

Protanopia

41.7206, 40.5454, 84.9840

Deuteranopia

41.6377, 40.6052, 92.8318



Tritanopia

31.2434, 40.9546, 61.5167

Trichromacy



Original Color

37.1793, 40.9138, 91.5256

Protanomaly

39.6926, 40.5623, 87.3986

Deuteranomaly

39.5461, 40.3827, 92.0965

Tritanomaly

33.2042, 40.8080, 71.7723

Monochromacy



Original Color

37.1793, 40.9138, 91.5256

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.7039, 36.8023, 54.6174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1793, 40.9138, 91.5256 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(97, 178, 244)` looks like.

```
.text, #text, p{  
    color:rgb(97, 178, 244)  
}
```

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(97, 178, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 178, 244) }
```

Border

The CSS property to change the border of an element to XYZ 37.1793, 40.9138, 91.5256 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(97, 178, 244) }
```


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

```
.border{ border-color:rgb(97, 178, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 178, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 178, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 178, 244);  
box-shadow:4px 4px 4px 4px rgb(97, 178,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1793, 40.9138, 91.5256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 178, 244) }
```

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

```
.background{ background-color: rgb(97, 178,  
244) }
```

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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