

Converting Colors

XYZ(37.5676, 40.7494, 91.3956)

Have a look what the booklet for
XYZ(37.5676, 40.7494, 91.3956)
contains.

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Color

**XYZ(37.6448, 40.8595,
91.4905)**

Conversions

Conversions Part 1

Format	Color
Hex	67B1F4
RGB	103, 177, 244
RGB Percent	40%, 69%, 96%
CMY	0.5960, 0.3059, 0.0431
CMYK	0.58, 0.27, 0.00, 0.04
HSL	209°, 87%, 68%
HSV	209°, 58%, 96%
XYZ	37.6448, 40.8595, 91.4905
YIQ	162.5120, -65.6110, 5.1490

Conversions

Conversions Part 2

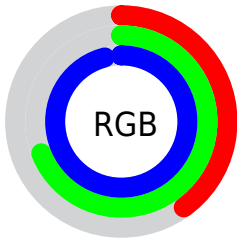
Format	Color
R _Y B	103, 152, 244
Decimal	6795764
CIE Lab	70.08, -3.83, -40.32
CIE LCh	70, 40.500, 264.571
Yxy	40.8595, 0.2214, 0.2404
Android (android.graphics.Color)	4284985844 (0xFF67B1F4)
YUV	162.5120, 40.1736, -52.1920
Hunter-Lab	63.9214, -6.7398, -40.1165

Details

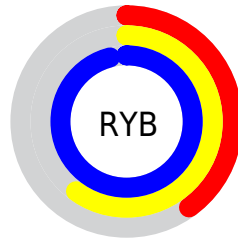
The XYZ color **37.6448, 40.8595, 91.4905** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.1329, 48.9643, 19.4318**, and the grayscale version is **34.4236, 36.2163, 39.4396**.

A 20% lighter version of the original color is **62.0109, 72.7198, 105.3757**, and **16.8683, 18.5464, 49.7045** is the 20% darker color. If you saturate the color by 10%, you get **33.0500, 35.2348, 90.6478**, and if you desaturate by 10%, it is **43.2535, 47.2972, 92.4383**.

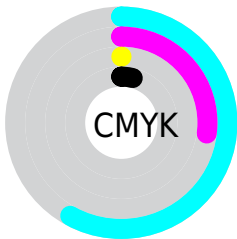
Distribution



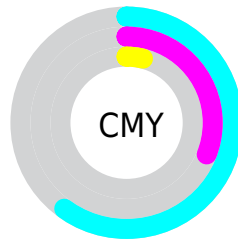
- Red (40%)
- Green (69%)
- Blue (96%)



- Red (40%)
- Yellow (60%)
- Blue (96%)



- Cyan (58%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)



- Cyan (60%)
- Magenta (31%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6448, 40.8595, 91.4905 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 37.6448, 40.8595, 91.4905 by changing the saturation by 10% instead.

■ 37.6448, 40.8595,
91.4905

■ 37.6448, 40.8595,
91.4905

327.4011,
349.7331, 553.5623

■ 25.8831, 28.2093,
68.6369

■ 70.8708, 76.4706,
151.3606

■ 16.8684, 18.4835,
49.9461

■ 93.0658, 100.2002,
189.2141

■ 10.2354, 11.2977,
34.9997

■ 119.4693,
128.3919, 232.9047

■ 5.6188, 6.2674,
23.3791

150.4465,
161.4298, 282.8509

■ 2.6531, 3.0084,
14.6657

186.3630,
199.6985, 339.4712

■ 0.9731, 1.1361,
8.4411

227.5840,

■ 0.0000, 0.0086,

243.5824, 403.1842

4.2867

274.4749,
293.4658, 474.4083

■ 0.0000, 0.0000,
1.7839

■ 0.0000, 0.0000,
0.4173

■ 37.6448, 40.8595,
91.4905

■ 37.6448, 40.8595,
91.4905

■ 33.0500, 35.2348,
90.6478

■ 43.2535, 47.2972,
92.4383

■ 29.3865, 30.3713,
89.9021

■ 49.9409, 54.5860,
93.4927

■ 26.5646, 26.2159,
89.2488

■ 57.7709, 62.7662,
94.6590

■ 24.4628, 22.6983,
88.6806

■ 66.8009, 71.8741,
95.9410

■ 24.0556, 21.9843,
88.5643

■ 77.0844, 81.9432,
97.3426

■ 88.6712, 93.0055,
98.8671

■ 93.3293, 99.3117,
99.8388

Harmonies

Analogous

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



31.9200, 40.8595, 81.2556



37.6448, 40.8595, 91.4905



44.3676, 40.8595, 86.5143

Triad

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



37.6448, 40.8595, 91.4905



51.5880, 40.8595, 30.9976



29.3674, 40.8595, 26.5391

Complementary

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



37.6448, 40.8595, 91.4905



54.1329, 48.9643, 19.4318

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.



33.7839, 40.8595, 18.9056



37.6448, 40.8595, 91.4905



46.6845, 40.8595, 20.9211

Square

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



37.6448, 40.8595, 91.4905



52.9219, 40.8595, 48.0250



40.0515, 40.8595, 17.1885



27.5011, 40.8595, 41.1311

Rectangle

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



37.6448, 40.8595, 91.4905



48.4620, 40.8595, 75.8069



40.0515, 40.8595, 17.1885



30.5769, 40.8595, 23.2596

Sweetspot

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



37.6463, 40.8609, 91.4915



74.6376, 80.2391, 106.1616



45.0884, 70.4432, 48.6604



15.5174, 16.7191, 22.6592



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.



37.6463, 40.8609, 91.4915



35.9154, 38.1580, 100.0800



27.2553, 20.0791, 88.0279



16.3009, 17.3661, 21.0354



13.2180, 12.2297, 48.2019



1.2646, 1.2807, 4.2708

Inverse Universe

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



50.0956, 32.1096, 45.1537



51.4276, 29.8144, 41.7678



70.7119, 82.1222, 24.9581



16.8625, 16.6278, 19.0223



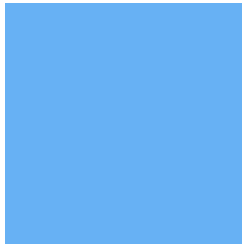
22.4763, 11.3340, 12.4826



2.0274, 1.0169, 1.3706

Previews

White Background



This preview shows how the XYZ color 37.6448, 40.8595, 91.4905 looks on a white background.

Color Contrast Check

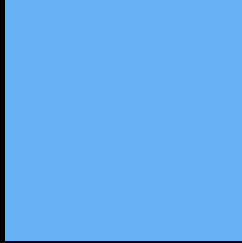
Large Text (above 18pt) WCAG AA × Fail

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 37.6448, 40.8595, 91.4905 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

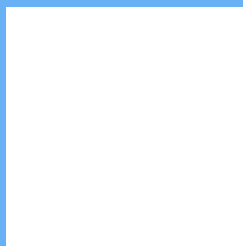
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6448, 40.8595, 91.4905

Background



This preview shows how black text looks on a background with the XYZ color 37.6448, 40.8595, 91.4905.

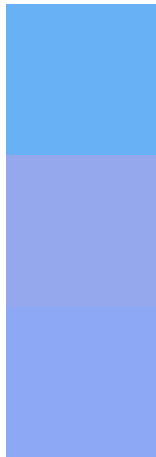


This preview shows how white text looks on a background with the XYZ color 37.6448, 40.8595,

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

37.6448, 40.8595, 91.4905

Protanopia

41.8664, 40.6037, 85.7515

Deuteranopia

41.8070, 40.6925, 92.8397



Tritanopia

31.5206, 40.7993, 60.8573

Trichromacy



Original Color

37.6448, 40.8595, 91.4905

Protanomaly

39.9640, 40.4036, 88.1304

Deuteranomaly

39.9864, 40.6096, 92.1171

Tritanomaly

33.5363, 40.6891, 71.0520

Monochromacy



Original Color

37.6448, 40.8595, 91.4905

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.5016, 37.4738, 55.2839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6448, 40.8595, 91.4905 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(103, 177, 244)` looks like.

```
.text, #text, p{  
    color:rgb(103, 177, 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(103, 177, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 177, 244) }
```

Border

The CSS property to change the border of an element to XYZ 37.6448, 40.8595, 91.4905 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(103, 177, 244) }
```


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

```
.border{ border-color:rgb(103, 177, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 177, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 177, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 177, 244);  
box-shadow:4px 4px 4px 4px rgb(103, 177,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6448, 40.8595, 91.4905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 177, 244) }
```

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

```
.background{ background-color: rgb(103,  
177, 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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