

Converting Colors

XYZ(37.9700, 43.5346, 77.9347)

Have a look what the booklet for
XYZ(37.9700, 43.5346, 77.9347)
contains.

XYZ(37.8013, 43.3621, 77.6115)	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(37.8013, 43.3621,
77.6115)**

Conversions

Conversions Part 1

Format	Color
Hex	73B8E1
RGB	115, 184, 225
RGB Percent	45%, 72%, 88%
CMY	0.5490, 0.2784, 0.1176
CMYK	0.49, 0.18, 0.00, 0.12
HSL	202°, 65%, 67%
HSV	202°, 49%, 88%
XYZ	37.8013, 43.3621, 77.6115
YIQ	168.0430, -54.2850, -1.8770

Conversions

Conversions Part 2

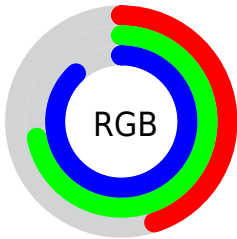
Format	Color
R_{YB}	115, 157, 225
Decimal	7583969
CIE _{Lab}	71.80, -10.75, -27.28
CIE _{LCh}	72, 29.319, 248.492
Yxy	43.3621, 0.2381, 0.2731
Android (android.graphics.Color)	4285774049 (0xFF73B8E1)
YUV	168.0430, 28.0798, -46.5187
Hunter-Lab	65.8499, -12.7690, -23.7850

Details

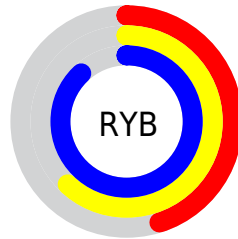
The XYZ color **37.8013, 43.3621, 77.6115** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.0353, 41.0234, 21.7130**, and the grayscale version is **37.1274, 39.0609, 42.5374**.

A 20% lighter version of the original color is **66.2233, 78.3108, 106.2329**, and **17.0029, 19.9756, 40.9897** is the 20% darker color. If you saturate the color by 10%, you get **33.5053, 38.6383, 76.9269**, and if you desaturate by 10%, it is **42.9255, 48.6679, 78.3664**.

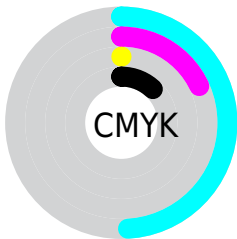
Distribution



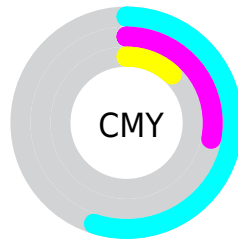
- Red (45%)
- Green (72%)
- Blue (88%)



- Red (45%)
- Yellow (62%)
- Blue (88%)



- Cyan (49%)
- Magenta (18%)
- Yellow (0%)
- Black (12%)



- Cyan (55%)
- Magenta (28%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8013, 43.3621, 77.6115 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 37.8013, 43.3621, 77.6115 by changing the saturation by 10% instead.

■ 37.8013, 43.3621,
77.6115

■ 37.8013, 43.3621,
77.6115

328.0624,
360.0988, 506.3394

■ 26.0050, 30.1693,
57.2403

■ 71.1093, 80.2570,
131.7832

■ 16.9601, 19.9671,
40.7876

■ 93.3518, 104.7279,
166.4208

■ 10.3012, 12.3712,
27.8347

■ 119.8071,
133.7270, 206.6510

■ 5.6629, 6.9970,
17.9631

150.8405,
167.6386, 252.8923

■ 2.6799, 3.4602,
10.7544

186.8173,
206.8473, 305.5632

■ 0.9868, 1.3765,
5.7898

228.1031,

■ 0.0000, 0.1993,

251.7372, 365.0824

2.6510

275.0630,
302.6929, 431.8682

■ 0.0000, 0.0000,
0.9186

■ 0.0000, 0.0000,
0.0000

■ 37.8013, 43.3621,
77.6115

■ 37.8013, 43.3621,
77.6115

■ 33.5053, 38.6383,
76.9269

■ 42.9255, 48.6679,
78.3664

■ 29.9779, 34.4606,
76.3065

■ 48.9233, 54.5791,
79.1912

■ 27.1578, 30.7955,
75.7477

■ 55.8418, 61.1234,
80.0897

■ 24.9713, 27.6022,
75.2465

■ 63.7234, 68.3249,
81.0644

■ 23.3058, 24.8198,
74.7973

■ 72.6074, 76.2065,
82.1174

■ 23.1361, 24.5269,
74.7497

■ 82.5312, 84.7896,
83.2511

■ 86.7937, 90.6222,
84.1522

■ 89.3570, 95.7489,
85.0067

■ 90.5908, 98.2163,
85.4179

Harmonies

Analogous

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



34.1626, 43.3621, 66.4291



37.8013, 43.3621, 77.6115



42.6451, 43.3621, 79.8750

Triad

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



37.8013, 43.3621, 77.6115



51.4325, 43.3621, 43.2778



35.5354, 43.3621, 28.8329

Complementary

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



37.8013, 43.3621, 77.6115



46.0353, 41.0234, 21.7130

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.



39.8160, 43.3621, 24.9474



37.8013, 43.3621, 77.6115



49.1754, 43.3621, 32.1153

Square

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



37.8013, 43.3621, 77.6115



50.7838, 43.3621, 58.0028



44.8269, 43.3621, 26.0142



32.9296, 43.3621, 37.8535

Rectangle

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



37.8013, 43.3621, 77.6115



45.9547, 43.3621, 75.6610



44.8269, 43.3621, 26.0142



36.8118, 43.3621, 26.9749

Sweetspot

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



37.8027, 43.3637, 77.6125



77.9704, 84.6922, 106.8455



39.9410, 59.8740, 40.6105



16.2268, 17.7023, 22.8116



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.



37.8027, 43.3637, 77.6125



44.2290, 51.0080, 102.1222



28.6005, 24.9593, 74.5451



13.6648, 14.6688, 17.4988



13.4474, 14.3644, 43.1122



1.0171, 1.1656, 3.0166

Inverse Universe

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



45.8350, 31.7311, 49.0580



56.5459, 35.3917, 57.8377



57.2758, 63.5043, 25.4599



14.0670, 13.8445, 16.1232



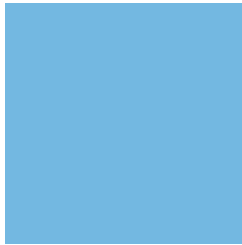
20.7278, 10.3581, 15.7645



1.4796, 0.7351, 1.3186

Previews

White Background



This preview shows how the XYZ color 37.8013, 43.3621, 77.6115 looks on a white background.

Color Contrast Check

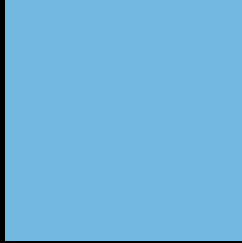
Large Text (above 18pt) WCAG AA × Fail

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 37.8013, 43.3621, 77.6115 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 37.8013, 43.3621, 77.6115

Background



This preview shows how black text looks on a background with the XYZ color 37.8013, 43.3621, 77.6115.



This preview shows how white text looks on a background with the XYZ color 37.8013, 43.3621,

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

37.8013, 43.3621, 77.6115

Protanopia

42.9850, 42.8962, 71.6599

Deuteranopia

44.0660, 42.9990, 79.3759



Tritanopia

34.9471, 43.4664, 63.0479

Trichromacy



Original Color

37.8013, 43.3621, 77.6115

Protanomaly

40.6730, 42.8146, 73.8305

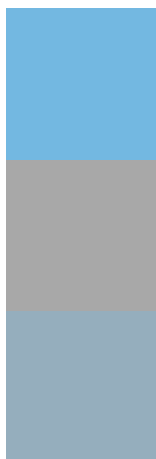
Deuteranomaly

41.2445, 42.7077, 78.7426

Tritanomaly

36.0837, 43.6233, 68.1463

Monochromacy



Original Color

37.8013, 43.3621, 77.6115

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.7158, 40.3358, 53.9946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8013, 43.3621, 77.6115 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(115, 184, 225)` looks like.

```
.text, #text, p{  
    color:rgb(115, 184, 225)  
}
```

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(115, 184, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 184, 225) }
```

Border

The CSS property to change the border of an element to XYZ 37.8013, 43.3621, 77.6115 is called "border". The border property can be set on classes, ids or directly on the HTML element.

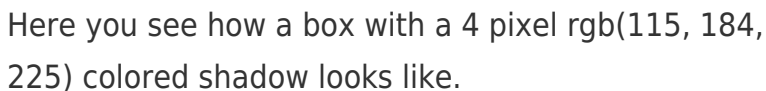
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 184, 225) }
```


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

```
.border{ border-color:rgb(115, 184, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 184, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 184, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 184, 225); box-shadow:4px 4px 4px 4px rgb(115, 184, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8013, 43.3621, 77.6115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 184, 225) }
```

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

```
.background{ background-color: rgb(115,  
184, 225) }
```

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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