

Converting Colors

XYZ(37.1115, 41.9325, 78.2776)

Have a look what the booklet for
XYZ(37.1115, 41.9325, 78.2776)
contains.

XYZ(37.1908, 42.1161, 78.1206)	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(37.1908, 42.1161,
78.1206)**

Conversions

Conversions Part 1

Format	Color
Hex	72B5E2
RGB	114, 181, 226
RGB Percent	45%, 71%, 89%
CMY	0.5529, 0.2902, 0.1137
CMYK	0.50, 0.20, 0.00, 0.11
HSL	204°, 66%, 67%
HSV	204°, 50%, 89%
XYZ	37.1908, 42.1161, 78.1206
YIQ	166.0970, -54.3770, -0.2090

Conversions

Conversions Part 2

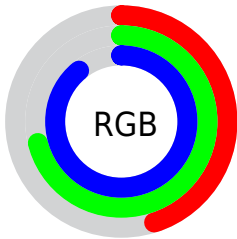
Format	Color
RYB	114, 156, 226
Decimal	7517666
CIELab	70.95, -9.08, -29.13
CIELCh	71, 30.513, 252.689
Yxy	42.1161, 0.2362, 0.2675
Android (android.graphics.Color)	4285707746 (0xFF72B5E2)
YUV	166.0970, 29.5322, -45.6891
Hunter-Lab	64.8969, -11.2757, -25.9433

Details

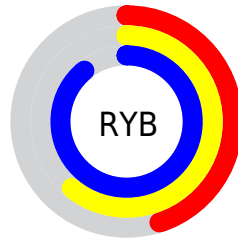
The XYZ color **37.1908, 42.1161, 78.1206** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.8008, 42.1816, 21.5965**, and the grayscale version is **36.1742, 38.0581, 41.4453**.

A 20% lighter version of the original color is **65.1288, 76.4463, 105.9307**, and **16.5912, 19.1629, 41.3524** is the 20% darker color. If you saturate the color by 10%, you get **32.8198, 37.2113, 77.4050**, and if you desaturate by 10%, it is **42.4111, 47.6391, 78.9123**.

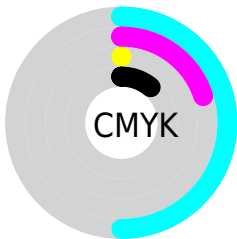
Distribution



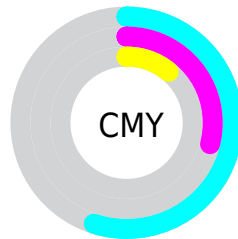
- Red (45%)
- Green (71%)
- Blue (89%)



- Red (45%)
- Yellow (61%)
- Blue (89%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (55%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1908, 42.1161, 78.1206 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 37.1908, 42.1161, 78.1206 by changing the saturation by 10% instead.

■ 37.1908, 42.1161,
78.1206

■ 37.1908, 42.1161,
78.1206

325.4770,
354.9640, 508.1151

■ 25.5296, 29.1922,
57.6560

■ 70.1781, 78.3753,
132.5075

■ 16.6029, 19.2263,
41.1193

■ 92.2348, 102.4794,
167.2670

■ 10.0453, 11.8339,
28.0919

■ 118.4875,
131.0791, 207.6284

■ 5.4915, 6.6307,
18.1553

149.3015,
164.5586, 254.0104

■ 2.5761, 3.2322,
10.8910

185.0421,
203.3025, 306.8316

■ 0.9338, 1.2541,
5.8803

226.0746,

■ 0.0000, 0.1053,

247.6951, 366.5104

2.7048

272.7645,
298.1208, 433.4654

■ 0.0000, 0.0000,
0.9459

■ 0.0000, 0.0000,
0.0000

■ 37.1908, 42.1161,
78.1206

■ 37.1908, 42.1161,
78.1206

■ 32.8198, 37.2113,
77.4050

■ 42.4111, 47.6391,
78.9123

■ 29.2372, 32.8874,
76.7593

■ 48.5276, 53.8052,
79.7801

■ 26.3798, 29.1092,
76.1806

■ 55.5886, 60.6434,
80.7278

■ 24.1717, 25.8338,
75.6648

■ 63.6375, 68.1790,
81.7581

■ 22.4882, 22.9935,
75.2053

■ 72.7147, 76.4362,
82.8735

■ 22.4191, 22.8739,
75.1858

■ 82.8585, 85.4374,
84.0763

■ 87.4888, 91.7935,
85.0591

■ 90.2973, 97.4104,
85.9952

■ 90.7276, 98.2710,
86.1387

Harmonies

Analogous

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



33.2651, 42.1161, 67.5828



37.1908, 42.1161, 78.1206



42.2164, 42.1161, 78.9572

Triad

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



37.1908, 42.1161, 78.1206



50.3459, 42.1161, 39.9775



33.7603, 42.1161, 28.2012

Complementary

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



37.1908, 42.1161, 78.1206



46.8008, 42.1816, 21.5965

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.



37.9206, 42.1161, 23.6056



37.1908, 42.1161, 78.1206



47.6552, 42.1161, 29.3717

Square

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



37.1908, 42.1161, 78.1206



50.1086, 42.1161, 54.7038



43.0103, 42.1161, 23.9830



31.4026, 42.1161, 38.0200

Rectangle

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



37.1908, 42.1161, 78.1206



45.5461, 42.1161, 73.6902



43.0103, 42.1161, 23.9830



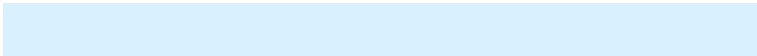
34.9785, 42.1161, 26.0978

Sweetspot

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



37.1922, 42.1177, 78.1216



77.6428, 84.0369, 106.7363



40.3778, 60.4675, 42.2550



16.1478, 17.5441, 22.7852



0.0000, 0.0000, 0.0000



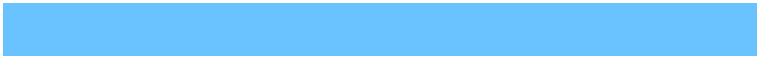
20.3446, 21.4041, 23.3091

Same Dimension

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



37.1922, 42.1177, 78.1216



43.2376, 49.0254, 101.7917



28.0274, 23.7881, 75.0667



13.6305, 14.6001, 17.4874



12.9092, 13.2879, 42.9328



0.9818, 1.0950, 3.0049

Inverse Universe

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



45.7231, 31.5411, 47.3957



56.0455, 35.1916, 55.2027



58.6519, 65.8839, 25.5468



14.0497, 13.8375, 16.0320



20.4561, 10.2495, 14.3337



1.4618, 0.7280, 1.2248

Previews

White Background



This preview shows how the XYZ color 37.1908, 42.1161, 78.1206 looks on a white background.

Color Contrast Check

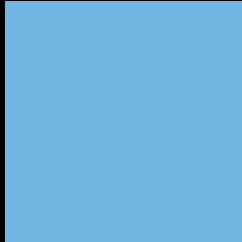
Large Text (above 18pt) WCAG AA × Fail

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 37.1908, 42.1161, 78.1206 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

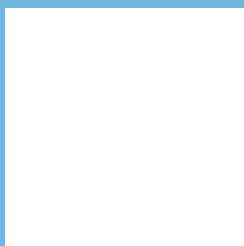
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1908, 42.1161, 78.1206

Background



This preview shows how black text looks on a background with the XYZ color 37.1908, 42.1161, 78.1206.



This preview shows how white text looks on a background with the XYZ color 37.1908, 42.1161,

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

37.1908, 42.1161, 78.1206

Protanopia

42.0470, 41.8174, 72.8733

Deuteranopia

42.6764, 41.7218, 79.2026



Tritanopia

33.9281, 42.3521, 61.0302

Trichromacy



Original Color

37.1908, 42.1161, 78.1206

Protanomaly

40.0164, 41.8632, 75.0785

Deuteranomaly

40.3289, 41.6578, 78.5882

Tritanomaly

34.9558, 42.1356, 66.6122

Monochromacy



Original Color

37.1908, 42.1161, 78.1206

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.6726, 38.9597, 53.2168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1908, 42.1161, 78.1206 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(114, 181, 226)` looks like.

```
.text, #text, p{  
    color:rgb(114, 181, 226)  
}
```

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(114, 181, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 181, 226) }
```

Border

The CSS property to change the border of an element to XYZ 37.1908, 42.1161, 78.1206 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(114, 181, 226) }
```


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

```
.border{ border-color:rgb(114, 181, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 181, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 181, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 181, 226);  
box-shadow:4px 4px 4px 4px rgb(114, 181,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1908, 42.1161, 78.1206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 181, 226) }
```

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

```
.background{ background-color: rgb(114,  
181, 226) }
```

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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