

Converting Colors

XYZ(34.2619, 42.3247, 73.7200)

Have a look what the booklet for
XYZ(34.2619, 42.3247, 73.7200)
contains.

XYZ(34.1828, 42.2107, 73.3637)	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(34.1828, 42.2107,
73.3637)**

Conversions

Conversions Part 1

Format	Color
Hex	56BADB
RGB	86, 186, 219
RGB Percent	34%, 73%, 86%
CMY	0.6627, 0.2706, 0.1412
CMYK	0.61, 0.15, 0.00, 0.14
HSL	195°, 65%, 60%
HSV	195°, 61%, 86%
XYZ	34.1828, 42.2107, 73.3637
YIQ	159.8620, -70.1930, -10.9370

Conversions

Conversions Part 2

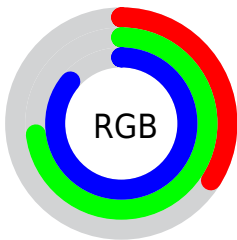
Format	Color
R _Y B	86, 143, 219
Decimal	5683931
CIE Lab	71.02, -19.50, -25.31
CIE LCh	71, 31.948, 232.389
Yxy	42.2107, 0.2283, 0.2819
Android (android.graphics.Color)	4283874011 (0xFF56BADB)
YUV	159.8620, 29.1550, -64.7770
Hunter-Lab	64.9698, -19.7822, -21.4713

Details

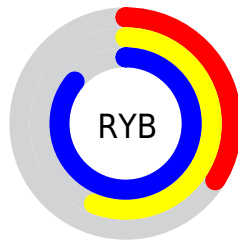
The XYZ color **34.1828, 42.2107, 73.3637** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **37.4912, 28.9271, 12.4130**, and the grayscale version is **33.2446, 34.9759, 38.0888**.

A 20% lighter version of the original color is **61.8348, 76.9273, 106.1972**, and **15.0884, 19.4554, 38.0820** is the 20% darker color. If you saturate the color by 10%, you get **31.3440, 39.0808, 72.9100**, and if you desaturate by 10%, it is **37.6855, 45.7491, 73.8629**.

Distribution



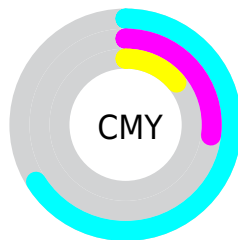
- Red (34%)
- Green (73%)
- Blue (86%)



- Red (34%)
- Yellow (56%)
- Blue (86%)



- Cyan (61%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (66%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1828, 42.2107, 73.3637 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 34.1828, 42.2107, 73.3637 by changing the saturation by 10% instead.

■ 34.1828, 42.2107,
73.3637

■ 34.1828, 42.2107,
73.3637

312.5180,
355.3556, 491.3789

■ 23.1976, 29.2663,
53.7798

■ 65.5602, 78.5184,
125.7191

■ 14.8610, 19.2824,
38.0336

■ 86.6832, 102.6505,
159.3276

■ 8.8076, 11.8745,
25.7068

■ 111.9162,
131.2807, 198.4481

■ 4.6720, 6.6583,
16.3806

■ 141.6244,
164.7932, 243.4991

■ 2.0889, 3.2493,
9.6366

176.1734,
203.5726, 294.8992

■ 0.6832, 1.2632,
5.0563

215.9284,

■ 0.0000, 0.1125,

248.0032, 353.0668

2.2210

261.2548,
298.4694, 418.4205

■ 0.0000, 0.0000,
0.6864

■ 0.0000, 0.0000,
0.0000

■ 34.1828, 42.2107,
73.3637

■ 34.1828, 42.2107,
73.3637

■ 31.3440, 39.0808,
72.9100

■ 37.6855, 45.7491,
73.8629

■ 29.1059, 36.3237,
72.4958

■ 41.8995, 49.7188,
74.4070

■ 27.3999, 33.9041,
72.1187

■ 46.8724, 54.1457,
74.9994

■ 26.1808, 31.9034,
71.7967

■ 52.6465, 59.0522,
75.6421

■ 59.2608, 64.4593,
76.3372

■ 66.7516, 70.3863,
77.0864

■ 75.1531, 76.8513,
77.8914

■ 82.1768, 82.6755,
78.6454

■ 83.7081, 85.7380,
79.1558

Harmonies

Analogous

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



31.3677, 42.2107, 58.0754



34.1828, 42.2107, 73.3637



38.7774, 42.2107, 81.6377

Triad

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



34.1828, 42.2107, 73.3637



51.1639, 42.2107, 49.9598



36.3404, 42.2107, 23.8068

Complementary

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



34.1828, 42.2107, 73.3637



37.4912, 28.9271, 12.4130

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.



41.4932, 42.2107, 22.5682



34.1828, 42.2107, 73.3637



50.3655, 42.2107, 35.6593

Square

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



34.1828, 42.2107, 73.3637



48.8018, 42.2107, 66.3090



46.7077, 42.2107, 26.4041



32.5342, 42.2107, 30.2691

Rectangle

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



34.1828, 42.2107, 73.3637



42.3600, 42.2107, 81.0159



46.7077, 42.2107, 26.4041



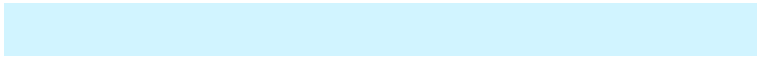
37.9604, 42.2107, 22.8338

Sweetspot

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



34.1842, 42.2123, 73.3647



76.6067, 85.2576, 107.0265



32.3833, 53.9277, 25.5438



15.8400, 17.7867, 22.8483



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.



34.1842, 42.2123, 73.3647



43.2482, 53.9888, 102.7492



23.5195, 20.8830, 69.8098



13.1570, 14.2538, 16.7099



15.6144, 19.0982, 42.6018



1.0779, 1.3700, 2.7821

Inverse Universe

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



41.4053, 25.2622, 49.1497



54.8444, 30.0920, 63.1179



47.9380, 49.8207, 15.8952



13.4691, 13.2167, 15.7316



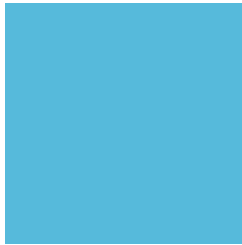
21.3767, 10.5517, 22.1618



1.4184, 0.6970, 1.6121

Previews

White Background



This preview shows how the XYZ color 34.1828, 42.2107, 73.3637 looks on a white background.

Color Contrast Check

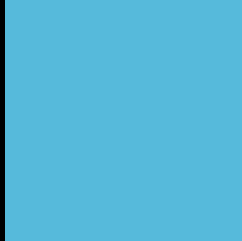
Large Text (above 18pt) WCAG AA × Fail

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 34.1828, 42.2107, 73.3637 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 34.1828, 42.2107, 73.3637

Background



This preview shows how black text looks on a background with the XYZ color 34.1828, 42.2107, 73.3637.



This preview shows how white text looks on a background with the XYZ color 34.1828, 42.2107,

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

34.1828, 42.2107, 73.3637

Protanopia

41.5886, 41.7286, 66.1841

Deuteranopia

42.7983, 41.8637, 75.6368



Tritanopia

32.3211, 42.4171, 63.6106

Trichromacy



Original Color

34.1828, 42.2107, 73.3637

Protanomaly

37.6889, 41.0890, 68.8953

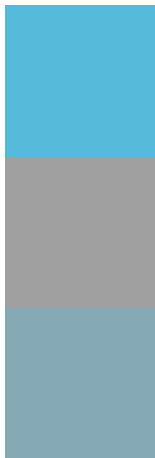
Deuteranomaly

38.7018, 41.4755, 75.0730

Tritanomaly

32.9715, 42.3637, 66.7608

Monochromacy



Original Color

34.1828, 42.2107, 73.3637

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.2013, 36.6987, 49.1024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1828, 42.2107, 73.3637 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(86, 186, 219)` looks like.

```
.text, #text, p{  
    color:rgb(86, 186, 219)  
}
```

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(86, 186, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 186, 219) }
```

Border

The CSS property to change the border of an element to XYZ 34.1828, 42.2107, 73.3637 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(86, 186, 219) }
```


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

```
.border{ border-color:rgb(86, 186, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 186, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 186, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 186, 219);  
box-shadow:4px 4px 4px 4px rgb(86, 186,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1828, 42.2107, 73.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 186, 219) }
```

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

```
.background{ background-color: rgb(86, 186,  
219) }
```

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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