

Converting Colors

XYZ(41.8814, 42.1726, 93.2576)

Have a look what the booklet for
XYZ(41.8814, 42.1726, 93.2576)
contains.

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Color

**XYZ(41.7623, 42.0768,
93.1093)**

Conversions

Conversions Part 1

Format	Color
Hex	87AEF6
RGB	135, 174, 246
RGB Percent	53%, 68%, 96%
CMY	0.4706, 0.3176, 0.0353
CMYK	0.45, 0.29, 0.00, 0.04
HSL	219°, 86%, 75%
HSV	219°, 45%, 96%
XYZ	41.7623, 42.0768, 93.1093
YIQ	170.5470, -46.3560, 14.1240

Conversions

Conversions Part 2

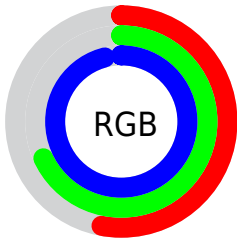
Format	Color
RYB	135, 164, 246
Decimal	8892150
CIELab	70.92, 5.45, -39.97
CIElCh	71, 40.335, 277.760
Yxy	42.0768, 0.2360, 0.2378
Android (android.graphics.Color)	4287082230 (0xFF87AEF6)
YUV	170.5470, 37.1983, -31.1747
Hunter-Lab	64.8666, 1.4049, -39.6980

Details

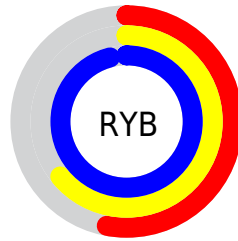
The XYZ color **41.7623, 42.0768, 93.1093** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **64.6936, 65.9698, 32.2473**, and the grayscale version is **38.3193, 40.3149, 43.9029**.

A 20% lighter version of the original color is **67.8075, 74.4651, 105.4071**, and **19.2867, 19.2129, 50.8361** is the 20% darker color. If you saturate the color by 10%, you get **35.3503, 34.4642, 91.9787**, and if you desaturate by 10%, it is **49.4579, 50.8963, 94.4068**.

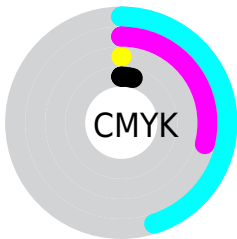
Distribution



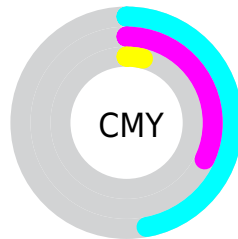
- Red (53%)
- Green (68%)
- Blue (96%)



- Red (53%)
- Yellow (64%)
- Blue (96%)



- Cyan (45%)
- Magenta (29%)
- Yellow (0%)
- Black (4%)



- Cyan (47%)
- Magenta (32%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7623, 42.0768, 93.1093 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 41.7623, 42.0768, 93.1093 by changing the saturation by 10% instead.

■ 41.7623, 42.0768,
93.1093

■ 41.7623, 42.0768,
93.1093

344.5050,
354.8012, 558.9232

■ 29.1055, 29.1614,
69.9742

■ 77.1072, 78.3158,
153.6229

■ 19.3053, 19.2030,
51.0288

■ 100.5260,
102.4083, 191.8385

■ 11.9964, 11.8170,
35.8547

■ 128.2628,
130.9953, 235.9181

■ 6.8134, 6.6192,
24.0332

160.6830,
164.4611, 286.2800

■ 3.3910, 3.2251,
15.1458

198.1520,
203.1902, 343.3430

■ 1.3637, 1.2504,
8.7740

241.0351,

■ 0.2302, 0.1023,

247.5670, 407.5255

4.4993

289.6977,
297.9759, 479.2460

■ 0.0000, 0.0000,
1.9030

■ 0.0000, 0.0000,
0.4947

■ 41.7623, 42.0768,
93.1093

■ 41.7623, 42.0768,
93.1093

■ 35.3503, 34.4642,
91.9787

■ 49.4579, 50.8963,
94.4068

■ 30.1407, 27.9954,
91.0046

■ 58.5024, 60.9722,
95.8750

■ 26.0495, 22.6079,
90.1804

■ 68.9620, 72.3564,
97.5211

■ 22.9783, 18.2295,
89.4971

■ 80.8969, 85.0965,
99.3511

■ 20.8084, 14.7762,
88.9449

■ 93.2493, 98.6630,
101.3187

■ 19.9970, 13.3784,
88.7179

■ 93.6347, 99.4339,
101.4472

Harmonies

Analogous

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



35.3007, 42.0768, 89.2912



41.7623, 42.0768, 93.1093



48.4349, 42.0768, 81.7222

Triad

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



41.7623, 42.0768, 93.1093



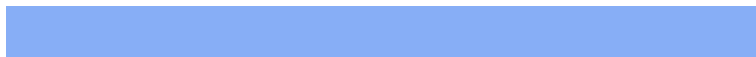
51.0977, 42.0768, 26.6908



29.1892, 42.0768, 33.1919

Complementary

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



41.7623, 42.0768, 93.1093



64.6936, 65.9698, 32.2473

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.



32.5933, 42.0768, 22.3514



41.7623, 42.0768, 93.1093



45.0831, 42.0768, 19.3966

Square

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



41.7623, 42.0768, 93.1093



54.2042, 42.0768, 40.9989



38.2739, 42.0768, 18.0676



28.5115, 42.0768, 50.9931

Rectangle

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



41.7623, 42.0768, 93.1093



51.9425, 42.0768, 68.5163



38.2739, 42.0768, 18.0676



30.0325, 42.0768, 28.7789

Sweetspot

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



41.7638, 42.0783, 93.1103



76.1662, 79.9515, 106.0255



54.0046, 75.4859, 69.6732



15.7409, 16.5076, 22.6066



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.



41.7638, 42.0783, 93.1103



39.0046, 38.1789, 99.9212



37.8412, 30.4488, 91.0723



16.0574, 16.8791, 20.9542



10.7924, 7.3785, 47.3934



1.0414, 0.8341, 4.1964

Inverse Universe

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



54.3113, 39.9785, 44.8999



54.4899, 36.7940, 40.1526



70.3497, 84.6840, 35.5614



16.7396, 16.5787, 18.3751



21.2520, 10.8442, 6.0354



1.9147, 0.9718, 0.7771

Previews

White Background



This preview shows how the XYZ color 41.7623, 42.0768, 93.1093 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 41.7623, 42.0768, 93.1093 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

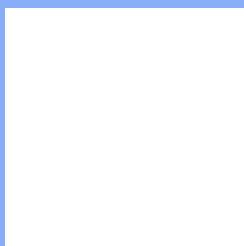
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7623, 42.0768, 93.1093

Background



This preview shows how black text looks on a background with the XYZ color 41.7623, 42.0768, 93.1093.



This preview shows how white text looks on a background with the XYZ color 41.7623, 42.0768,

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

41.7623, 42.0768, 93.1093

Protanopia

43.5031, 42.1762, 90.6420

Deuteranopia

43.0285, 41.8610, 93.8078



Tritanopia

35.0117, 42.0091, 59.6893

Trichromacy



Original Color

41.7623, 42.0768, 93.1093

Protanomaly

42.7587, 42.0564, 91.4520

Deuteranomaly

42.5255, 41.8832, 93.8386

Tritanomaly

37.1912, 41.9844, 70.4336

Monochromacy



Original Color

41.7623, 42.0768, 93.1093

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.0461, 40.8514, 59.2532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7623, 42.0768, 93.1093 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(135, 174, 246)` looks like.

```
.text, #text, p{  
    color:rgb(135, 174, 246)  
}
```

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(135, 174, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 174, 246) }
```

Border

The CSS property to change the border of an element to XYZ 41.7623, 42.0768, 93.1093 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(135, 174, 246) }
```


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

```
.border{ border-color:rgb(135, 174, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 174, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 174, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 174, 246);  
box-shadow:4px 4px 4px 4px rgb(135, 174,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7623, 42.0768, 93.1093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 174, 246) }
```

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

```
.background{ background-color: rgb(135,  
174, 246) }
```

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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