

Converting Colors

XYZ(42.1536, 41.1911, 78.4020)

Have a look what the booklet for
XYZ(42.1536, 41.1911, 78.4020)
contains.

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Color

**XYZ(42.1536, 41.1911,
78.4020)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA9E3
RGB	158, 169, 227
RGB Percent	62%, 66%, 89%
CMY	0.3804, 0.3372, 0.1098
CMYK	0.30, 0.26, 0.00, 0.11
HSL	230°, 55%, 75%
HSV	230°, 30%, 89%
XYZ	42.1536, 41.1911, 78.4020
YIQ	172.3230, -25.1740, 15.7060

Conversions

Conversions Part 2

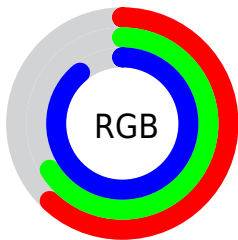
Format	Color
R _Y B	158, 167, 227
Decimal	10398179
CIE Lab	70.31, 9.28, -30.45
CIE LCh	70, 31.833, 286.944
Yxy	41.1911, 0.2606, 0.2547
Android (android.graphics.Color)	4288588259 (0xFF9EA9E3)
YUV	172.3230, 26.9558, -12.5613
Hunter-Lab	64.1803, 4.9232, -27.5019

Details

The XYZ color **42.1536, 41.1911, 78.4020** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.4066, 67.9117, 42.1681**, and the grayscale version is **39.2542, 41.2984, 44.9740**.

A 20% lighter version of the original color is **72.4372, 74.8275, 105.2330**, and **19.5377, 18.6661, 41.1013** is the 20% darker color. If you saturate the color by 10%, you get **34.7997, 32.5101, 77.1147**, and if you desaturate by 10%, it is **50.8530, 51.3365, 79.9025**.

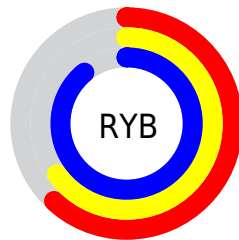
Distribution



Red (62%)

Green (66%)

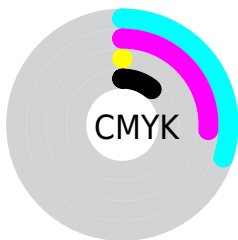
Blue (89%)



Red (62%)

Yellow (65%)

Blue (89%)

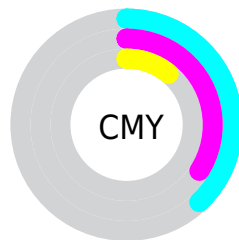


Cyan (30%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (38%)

Magenta (34%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1536, 41.1911, 78.4020 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 42.1536, 41.1911, 78.4020 by changing the saturation by 10% instead.

■ 42.1536, 41.1911,
78.4020

■ 42.1536, 41.1911,
78.4020

346.1001,
351.1187, 509.0950

■ 29.4132, 28.4684,
57.8859

■ 77.6957, 76.9739,
132.9077

■ 19.5395, 18.6791,
41.3028

■ 101.2282,
100.8028, 167.7343

■ 12.1671, 11.4386,
28.2343

129.0888,
129.1026, 208.1682

■ 6.9306, 6.3627,
18.2618

161.6427,
162.2577, 254.6278

■ 3.4647, 3.0668,
10.9667

199.2555,
200.6525, 307.5318

■ 1.4040, 1.1667,
5.9306

242.2924,

■ 0.2591, 0.0343,

244.6713, 367.2986

2.7348

291.1188,
294.6986, 434.3469

■ 0.0000, 0.0000,
0.9609

■ 0.0000, 0.0000,
0.0000

■ 42.1536, 41.1911,
78.4020

■ 42.1536, 41.1911,
78.4020

■ 34.7997, 32.5101,
77.1147

■ 50.8530, 51.3365,
79.9025

■ 28.7193, 25.2206,
76.0282

■ 60.9567, 63.0051,
81.6222

■ 23.8400, 19.2505,
75.1330

■ 72.5250, 76.2582,
83.5706

■ 20.0802, 14.5192,
74.4179

■ 85.6135, 91.1526,
85.7557

■ 17.3478, 10.9369,
73.8705

■ 90.8653, 98.3261,
86.8635

■ 15.5352, 8.4012,
73.4766

■ 14.5020, 6.8195,
73.2257

Harmonies

Analogous

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



36.9242, 41.1911, 79.1379



42.1536, 41.1911, 78.4020



46.9632, 41.1911, 67.5099

Triad

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



42.1536, 41.1911, 78.4020



46.4209, 41.1911, 26.9348



30.1539, 41.1911, 38.6573

Complementary

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



42.1536, 41.1911, 78.4020



62.4066, 67.9117, 42.1681

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.



32.2569, 41.1911, 27.9299



42.1536, 41.1911, 78.4020



41.4654, 41.1911, 22.2484

Square

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



42.1536, 41.1911, 78.4020



49.5732, 41.1911, 36.9737



36.2943, 41.1911, 22.5666



30.3025, 41.1911, 53.7725

Rectangle

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



42.1536, 41.1911, 78.4020



49.1455, 41.1911, 57.0929



36.2943, 41.1911, 22.5666



30.6125, 41.1911, 34.4960

Sweetspot

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



42.1550, 41.1927, 78.4030



81.2567, 84.2077, 106.5788



53.9007, 67.1402, 74.7467



16.9469, 17.5119, 22.7369



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.



42.1550, 41.1927, 78.4030



49.0830, 46.8033, 101.0547



45.1492, 39.8248, 77.9811



13.7675, 14.2564, 18.1705



8.5124, 4.0869, 42.7234



0.6858, 0.4155, 3.1760

Inverse Universe

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



51.0680, 43.6504, 43.2716



62.3922, 50.7332, 48.5373



58.5434, 70.2450, 42.8221



14.4702, 14.4053, 15.4106



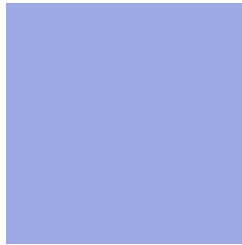
18.6902, 9.6103, 1.9975



1.4098, 0.7216, 0.2985

Previews

White Background



This preview shows how the XYZ color 42.1536, 41.1911, 78.4020 looks on a white background.

Color Contrast Check

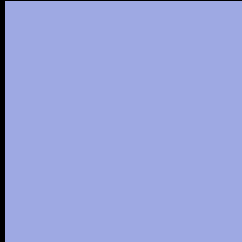
Large Text (above 18pt) WCAG AA × Fail

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 42.1536, 41.1911, 78.4020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

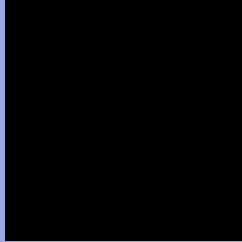
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1536, 41.1911, 78.4020

Background



This preview shows how black text looks on a background with the XYZ color 42.1536, 41.1911, 78.4020.



This preview shows how white text looks on a background with the XYZ color 42.1536, 41.1911,

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

42.1536, 41.1911, 78.4020

Protanopia

41.9502, 41.3634, 78.4460

Deuteranopia

42.1536, 41.1911, 78.4020



Tritanopia

37.3973, 41.2524, 54.7067

Trichromacy



Original Color

42.1536, 41.1911, 78.4020

Protanomaly

42.1445, 41.4636, 78.4551

Deuteranomaly

42.1536, 41.1911, 78.4020

Tritanomaly

38.8599, 40.9712, 62.3600

Monochromacy



Original Color

42.1536, 41.1911, 78.4020

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.0137, 41.1471, 55.7024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1536, 41.1911, 78.4020 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(158, 169, 227)` looks like.

```
.text, #text, p{  
    color:rgb(158, 169, 227)  
}
```

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(158, 169, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 169, 227) }
```

Border

The CSS property to change the border of an element to XYZ 42.1536, 41.1911, 78.4020 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(158, 169, 227) }
```


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

```
.border{ border-color:rgb(158, 169, 227) }
```

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

Here you see how a box with a 4 pixel rgb(158, 169, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 169, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 169, 227);  
box-shadow:4px 4px 4px 4px rgb(158, 169,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1536, 41.1911, 78.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 169, 227) }
```

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

```
.background{ background-color: rgb(158,  
169, 227) }
```

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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