

Converting Colors

XYZ(34.2312, 24.8118, 87.3473)

Have a look what the booklet for
XYZ(34.2312, 24.8118, 87.3473)
contains.

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Color

**XYZ(34.1904, 24.8753,
87.0038)**

Conversions

Conversions Part 1

Format	Color
Hex	9373F2
RGB	147, 115, 242
RGB Percent	58%, 45%, 95%
CMY	0.4235, 0.5490, 0.0510
CMYK	0.39, 0.52, 0.00, 0.05
HSL	255°, 83%, 70%
HSV	255°, 52%, 95%
XYZ	34.1904, 24.8753, 87.0038
YIQ	139.0460, -21.6950, 46.2810

Conversions

Conversions Part 2

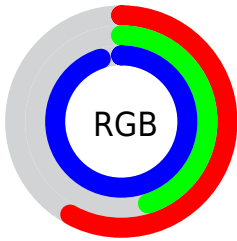
Format	Color
RYB	147, 115, 242
Decimal	9663474
CIELab	56.95, 41.14, -59.81
CIELCh	57, 72.593, 304.524
Yxy	24.8753, 0.2341, 0.1703
Android (android.graphics.Color)	4287853554 (0xFF9373F2)
YUV	139.0460, 50.7563, 6.9757
Hunter-Lab	49.8751, 35.0838, -68.5148

Details

The XYZ color **34.1904, 24.8753, 87.0038** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **61.4247, 78.4438, 28.1239**, and the grayscale version is **24.3760, 25.6455, 27.9279**.

A 20% lighter version of the original color is **57.2295, 48.2044, 100.8958**, and **14.9216, 9.5729, 46.9602** is the 20% darker color. If you saturate the color by 10%, you get **28.7897, 18.5187, 86.0620**, and if you desaturate by 10%, it is **40.8282, 32.9453, 88.2121**.

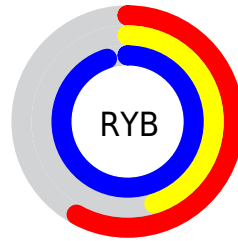
Distribution



Red (58%)

Green (45%)

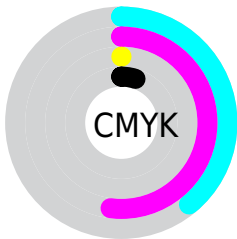
Blue (95%)



Red (58%)

Yellow (45%)

Blue (95%)

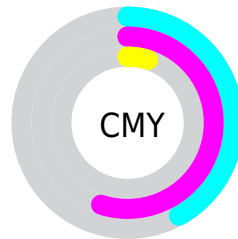


Cyan (39%)

Magenta (52%)

Yellow (0%)

Black (5%)



Cyan (42%)

Magenta (55%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1904, 24.8753, 87.0038 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 34.1904, 24.8753, 87.0038 by changing the saturation by 10% instead.

34.1904, 24.8753,
87.0038

34.1904, 24.8753,
87.0038

312.5512,
277.2164, 538.5519

23.2035, 15.9842,
64.9387

65.5720, 51.4549,
145.0684

14.8654, 9.5130,
46.9604

86.6973, 69.9121,
181.9049

8.8106, 5.0772,
32.6502

111.9329, 92.3268,
224.5023

4.6740, 2.2927,
21.5897

141.6440,
119.0833, 273.2792

2.0901, 0.7698,
13.3603

176.1961,
150.5662, 328.6541

0.6838, 0.0000,
7.5435

215.9544,

0.0000, 0.0000,

187.1597, 391.0454

3.7207

261.2843,
229.2483, 460.8719

■ 0.0000, 0.0000,
1.4734

■ 0.0000, 0.0000,
0.1980

■ 34.1904, 24.8753,
87.0038

■ 34.1904, 24.8753,
87.0038

■ 28.7897, 18.5187,
86.0620

■ 40.8282, 32.9453,
88.2121

■ 24.5412, 13.7445,
85.3644

■ 48.7738, 42.8410,
89.7034

■ 21.3532, 10.4069,
84.8882

■ 58.0962, 54.6680,
91.4949

■ 19.1169, 8.3297,
84.6051

■ 68.8586, 68.5229,
93.6019

■ 17.9505, 7.4024,
84.4876

■ 81.1200, 84.4960,
96.0388

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



24.9584, 24.8753, 105.8873



34.1904, 24.8753, 87.0038



41.7199, 24.8753, 52.6777

Triad

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



34.1904, 24.8753, 87.0038



31.4089, 24.8753, 2.9765



10.7883, 24.8753, 30.9546

Complementary

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



34.1904, 24.8753, 87.0038



61.4247, 78.4438, 28.1239

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.



11.7278, 24.8753, 11.5069



34.1904, 24.8753, 87.0038



22.3751, 24.8753, 2.0743

Square

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



34.1904, 24.8753, 87.0038



39.8623, 24.8753, 8.2529



15.5244, 24.8753, 3.9083



12.5558, 24.8753, 63.3033

Rectangle

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



34.1904, 24.8753, 87.0038



43.9752, 24.8753, 31.8112



15.5244, 24.8753, 3.9083



10.8024, 24.8753, 22.8517

Sweetspot

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



34.1915, 24.8762, 87.0044



73.0371, 71.3387, 104.5280



46.2062, 56.2730, 92.4314



15.0946, 14.5760, 22.2678



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.



34.1915, 24.8762, 87.0044



32.0486, 20.4248, 96.8610



48.8079, 32.4112, 87.6885



15.2705, 15.4212, 19.8933



9.7486, 4.0310, 45.3921



0.8995, 0.3810, 3.7803

Inverse Universe

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



54.3817, 35.7923, 65.0138



57.4777, 34.2093, 67.5390



46.8350, 70.9226, 27.4411



16.2742, 15.9594, 19.0000



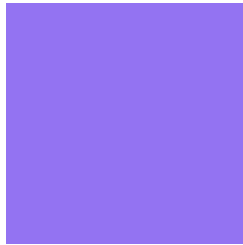
24.2109, 11.9568, 24.8247



2.0537, 1.0105, 2.2739

Previews

White Background



This preview shows how the XYZ color 34.1904, 24.8753, 87.0038 looks on a white background.

Color Contrast Check

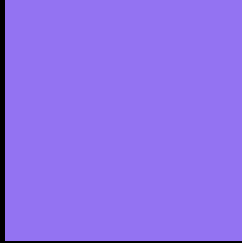
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.1904, 24.8753, 87.0038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

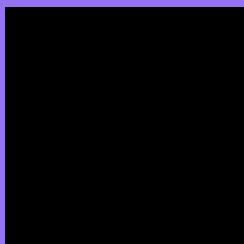
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.1904, 24.8753, 87.0038

Background



This preview shows how black text looks on a background with the XYZ color 34.1904, 24.8753, 87.0038.



This preview shows how white text looks on a background with the XYZ color 34.1904, 24.8753,

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

34.1904, 24.8753, 87.0038

Protanopia

28.9738, 25.1002, 97.9255

Deuteranopia

26.0054, 25.1321, 83.6011



Tritanopia

23.1175, 24.7825, 31.9988

Trichromacy



Original Color

34.1904, 24.8753, 87.0038

Protanomaly

29.8618, 24.4765, 93.5930

Deuteranomaly

27.6824, 24.3211, 84.8968

Tritanomaly

26.3614, 24.4525, 48.1302

Monochromacy



Original Color

34.1904, 24.8753, 87.0038

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.9744, 24.8506, 44.4492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1904, 24.8753, 87.0038 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(147, 115, 242)` looks like.

```
.text, #text, p{  
    color:rgb(147, 115, 242)  
}
```

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(147, 115, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 115, 242) }
```

Border

The CSS property to change the border of an element to XYZ 34.1904, 24.8753, 87.0038 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(147, 115, 242) }
```


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

```
.border{ border-color:rgb(147, 115, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 115, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 115, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 115, 242);  
box-shadow:4px 4px 4px 4px rgb(147, 115,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1904, 24.8753, 87.0038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 115, 242) }
```

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

```
.background{ background-color: rgb(147,  
115, 242) }
```

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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