

Converting Colors

XYZ(34.2065, 25.7661, 85.3753)

Have a look what the booklet for
XYZ(34.2065, 25.7661, 85.3753)
contains.

XYZ(34.2987, 25.8352, 85.6170)	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(34.2987, 25.8352,
85.6170)**

Conversions

Conversions Part 1

Format	Color
Hex	9278F0
RGB	146, 120, 240
RGB Percent	57%, 47%, 94%
CMY	0.4274, 0.5294, 0.0588
CMYK	0.39, 0.50, 0.00, 0.06
HSL	253°, 80%, 71%
HSV	253°, 50%, 94%
XYZ	34.2987, 25.8352, 85.6170
YIQ	141.4540, -23.0240, 42.8320

Conversions

Conversions Part 2

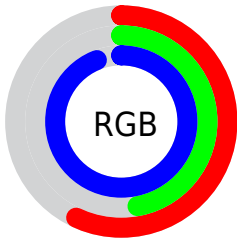
Format	Color
RYB	146, 120, 240
Decimal	9599216
CIELab	57.88, 37.52, -57.22
CIELCh	58, 68.425, 303.256
Yxy	25.8352, 0.2353, 0.1773
Android (android.graphics.Color)	4287789296 (0xFF9278F0)
YUV	141.4540, 48.5832, 3.9868
Hunter-Lab	50.8283, 31.5013, -64.2903

Details

The XYZ color **34.2987, 25.8352, 85.6170** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **62.2817, 77.9726, 29.5376**, and the grayscale version is **25.3181, 26.6366, 29.0073**.

A 20% lighter version of the original color is **57.8954, 49.9445, 101.1966**, and **14.9203, 10.0492, 45.9531** is the 20% darker color. If you saturate the color by 10%, you get **28.6942, 19.1852, 84.6293**, and if you desaturate by 10%, it is **41.1781, 34.2168, 86.8727**.

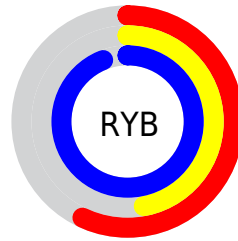
Distribution



Red (57%)

Green (47%)

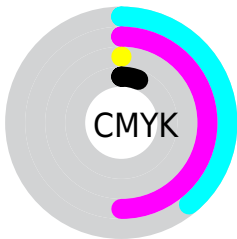
Blue (94%)



Red (57%)

Yellow (47%)

Blue (94%)

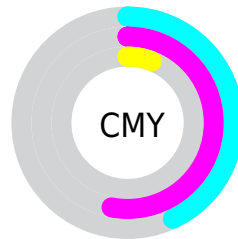


Cyan (39%)

Magenta (50%)

Yellow (0%)

Black (6%)



Cyan (43%)

Magenta (53%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2987, 25.8352, 85.6170 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 34.2987, 25.8352, 85.6170 by changing the saturation by 10% instead.

■ 34.2987, 25.8352,
85.6170

■ 34.2987, 25.8352,
85.6170

313.0244,
281.9721, 533.8652

■ 23.2871, 16.7004,
63.7982

■ 65.7391, 53.0090,
143.1167

■ 14.9275, 10.0211,
46.0421

■ 86.8987, 71.8167,
179.6347

■ 8.8545, 5.4130,
31.9302

■ 112.1716, 94.6176,
221.8896

■ 4.7028, 2.4915,
21.0438

141.9233,
121.7959, 270.2998

■ 2.1069, 0.8724,
12.9645

176.5190,
153.7361, 325.2839

■ 0.6930, 0.0000,
7.2736

216.3243,

■ 0.0000, 0.0000,

190.8227, 387.2605

3.5528

261.7043,
233.4399, 456.6481

■ 0.0000, 0.0000,
1.3834

■ 0.0000, 0.0000,
0.1287

■ 34.2987, 25.8352,
85.6170

■ 34.2987, 25.8352,
85.6170

■ 28.6942, 19.1852,
84.6293

■ 41.1781, 34.2168,
86.8727

■ 24.2795, 14.1399,
83.8882

■ 49.4036, 44.4388,
88.4123

■ 20.9635, 10.5593,
83.3718

■ 59.0447, 56.6044,
90.2523

■ 18.6393, 8.2769,
83.0538

■ 70.1652, 70.8082,
92.4078

■ 17.1448, 7.0216,
82.8902

■ 82.8249, 87.1385,
94.8926

■ 17.1447, 7.0215,
82.8902

■ 92.7283, 99.0713,
96.6739

Harmonies

Analogous

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



25.4656, 25.8352, 102.0018



34.2987, 25.8352, 85.6170



41.5770, 25.8352, 53.8589

Triad

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



34.2987, 25.8352, 85.6170



32.3896, 25.8352, 3.9619



11.9001, 25.8352, 30.7841

Complementary

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



34.2987, 25.8352, 85.6170



62.2817, 77.9726, 29.5376

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.



12.9590, 25.8352, 12.2641



34.2987, 25.8352, 85.6170



23.6675, 25.8352, 2.8045

Square

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



34.2987, 25.8352, 85.6170



40.3129, 25.8352, 9.8747



16.8580, 25.8352, 4.7005



13.5550, 25.8352, 61.0315

Rectangle

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



34.2987, 25.8352, 85.6170



43.8677, 25.8352, 33.7968



16.8580, 25.8352, 4.7005



11.9520, 25.8352, 23.1352

Sweetspot

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



34.2998, 25.8361, 85.6176



73.8617, 72.7306, 104.7532



47.5211, 58.3781, 91.2020



15.2405, 14.8416, 22.3114



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.



34.2998, 25.8361, 85.6176



32.8177, 21.8863, 97.1025



47.8989, 32.8467, 86.2541



15.2174, 15.3938, 19.8909



9.4765, 3.8907, 45.3794



0.8701, 0.3658, 3.7790

Inverse Universe

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



54.7895, 36.8138, 67.8354



59.1557, 36.0285, 72.8361



47.8773, 70.5468, 28.8635



16.2991, 15.9693, 19.1311



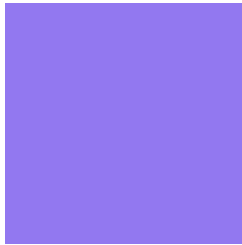
24.6915, 12.1490, 27.3556



2.0901, 1.0251, 2.4650

Previews

White Background



This preview shows how the XYZ color 34.2987, 25.8352, 85.6170 looks on a white background.

Color Contrast Check

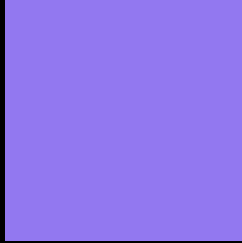
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2987, 25.8352, 85.6170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

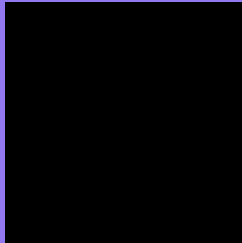
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.2987, 25.8352, 85.6170

Background



This preview shows how black text looks on a background with the XYZ color 34.2987, 25.8352, 85.6170.



This preview shows how white text looks on a background with the XYZ color 34.2987, 25.8352,

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

34.2987, 25.8352, 85.6170

Protanopia

29.8559, 26.1676, 98.0850

Deuteranopia

27.0442, 26.1144, 82.9721



Tritanopia

23.7966, 25.7524, 33.4223

Trichromacy



Original Color

34.2987, 25.8352, 85.6170

Protanomaly

30.8315, 25.7510, 93.7879

Deuteranomaly

28.7106, 25.4862, 83.5269

Tritanomaly

26.7121, 25.2223, 48.8079

Monochromacy



Original Color

34.2987, 25.8352, 85.6170

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.6510, 25.7890, 45.1154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2987, 25.8352, 85.6170 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(146, 120, 240)` looks like.

```
.text, #text, p{  
    color:rgb(146, 120, 240)  
}
```

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(146, 120, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 120, 240) }
```

Border

The CSS property to change the border of an element to XYZ 34.2987, 25.8352, 85.6170 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(146, 120, 240) }
```


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

```
.border{ border-color:rgb(146, 120, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 120, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 120, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 120, 240);  
box-shadow:4px 4px 4px 4px rgb(146, 120,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2987, 25.8352, 85.6170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 120, 240) }
```

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

```
.background{ background-color: rgb(146,  
120, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor