

Converting Colors

XYZ(36.3641, 28.8137, 84.5339)

Have a look what the booklet for
XYZ(36.3641, 28.8137, 84.5339)
contains.

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Color

**XYZ(36.3641, 28.8137,
84.5339)**

Conversions

Conversions Part 1

Format	Color
Hex	9882EE
RGB	152, 130, 238
RGB Percent	60%, 51%, 93%
CMY	0.4039, 0.4902, 0.0667
CMYK	0.36, 0.45, 0.00, 0.07
HSL	252°, 76%, 72%
HSV	252°, 45%, 93%
XYZ	36.3641, 28.8137, 84.5339
YIQ	148.8900, -21.5560, 38.2520

Conversions

Conversions Part 2

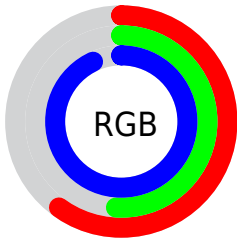
Format	Color
RYB	152, 130, 238
Decimal	9994990
CIELab	60.62, 32.73, -51.72
CIELCh	61, 61.208, 302.330
Yxy	28.8137, 0.2429, 0.1925
Android (android.graphics.Color)	4288185070 (0xFF9882EE)
YUV	148.8900, 43.9312, 2.7275
Hunter-Lab	53.6784, 26.9865, -55.7963

Details

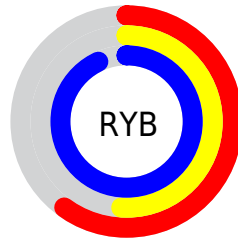
The XYZ color **36.3641, 28.8137, 84.5339** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.9230, 77.3601, 32.7356**, and the grayscale version is **28.3496, 29.8260, 32.4805**.

A 20% lighter version of the original color is **61.2780, 54.6423, 101.9251**, and **16.0330, 11.5603, 45.1024** is the 20% darker color. If you saturate the color by 10%, you get **30.2887, 21.5137, 83.4456**, and if you desaturate by 10%, it is **43.7406, 37.8721, 85.8941**.

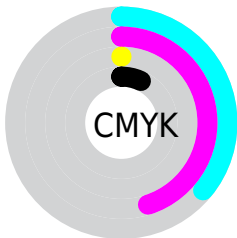
Distribution



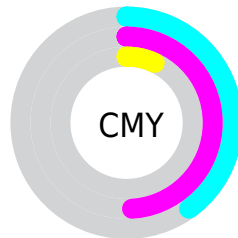
- Red (60%)
- Green (51%)
- Blue (93%)



- Red (60%)
- Yellow (51%)
- Blue (93%)



- Cyan (36%)
- Magenta (45%)
- Yellow (0%)
- Black (7%)



- Cyan (40%)
- Magenta (49%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3641, 28.8137, 84.5339 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 36.3641, 28.8137, 84.5339 by changing the saturation by 10% instead.

■ 36.3641, 28.8137,
84.5339

■ 36.3641, 28.8137,
84.5339

321.9527,
296.3349, 530.1888

■ 24.8869, 18.9399,
62.9084

■ 68.9139, 57.7810,
141.5902

■ 16.1211, 11.6269,
45.3266

■ 90.7172, 77.6432,
177.8580

■ 9.7013, 6.4902,
31.3699

■ 116.6933,
101.6038, 219.8437

■ 5.2621, 3.1454,
20.6199

147.2075,
130.0471, 267.9657

■ 2.4382, 1.2081,
12.6579

182.6252,
163.3574, 322.6428

■ 0.8642, 0.0683,
7.0655

223.3117,

■ 0.0000, 0.0000,

201.9193, 384.2932

3.4240

269.6325,
246.1170, 453.3357

■ 0.0000, 0.0000,
1.3150

■ 0.0000, 0.0000,
0.0740

■ 36.3641, 28.8137,
84.5339

■ 36.3641, 28.8137,
84.5339

■ 30.2887, 21.5137,
83.4456

■ 43.7406, 37.8721,
85.8941

■ 25.4329, 15.8527,
82.6089

■ 52.4861, 48.7911,
87.5408

■ 21.7111, 11.7012,
82.0037

■ 62.6678, 61.6690,
89.4898

■ 19.0241, 8.9081,
81.6062

■ 74.3474, 76.5961,
91.7554

■ 17.2538, 7.2896,
81.3871

■ 87.5830, 93.6570,
94.3509

■ 16.6746, 6.8133,
81.3257

■ 92.4327, 98.9531,
95.1176

Harmonies

Analogous

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



28.0104, 28.8137, 98.2347



36.3641, 28.8137, 84.5339



43.2075, 28.8137, 56.2950

Triad

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



36.3641, 28.8137, 84.5339



35.0839, 28.8137, 6.4315



14.8153, 28.8137, 33.1800

Complementary

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



36.3641, 28.8137, 84.5339



62.9230, 77.3601, 32.7356

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.



15.9930, 28.8137, 15.1666



36.3641, 28.8137, 84.5339



26.7721, 28.8137, 4.8591

Square

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



36.3641, 28.8137, 84.5339



42.3738, 28.8137, 13.3524



20.0234, 28.8137, 7.0679



16.4295, 28.8137, 60.9529

Rectangle

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



36.3641, 28.8137, 84.5339



45.4196, 28.8137, 37.5610



20.0234, 28.8137, 7.0679



14.8975, 28.8137, 25.9053

Sweetspot

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



36.3652, 28.8148, 84.5346



75.0038, 74.3012, 104.9962



49.2978, 60.2366, 89.9180



15.4598, 15.1479, 22.3590



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.



36.3652, 28.8148, 84.5346



36.1855, 26.0644, 97.7315



48.7587, 35.2038, 85.1146



15.1980, 15.3838, 19.8900



9.3873, 3.8447, 45.3752



0.8600, 0.3606, 3.7785

Inverse Universe

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



55.6377, 39.1010, 69.5803



61.4943, 39.5958, 77.0372



49.5862, 70.4848, 32.1114



16.3082, 15.9730, 19.1794



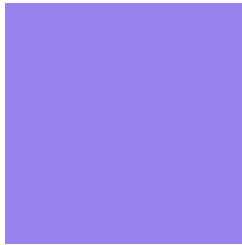
24.8752, 12.2225, 28.3229



2.1038, 1.0306, 2.5376

Previews

White Background



This preview shows how the XYZ color 36.3641, 28.8137, 84.5339 looks on a white background.

Color Contrast Check

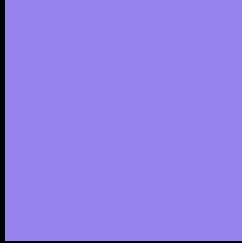
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3641, 28.8137, 84.5339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

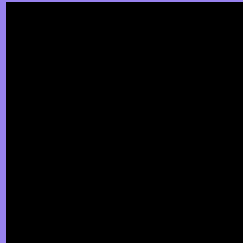
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3641, 28.8137, 84.5339

Background



This preview shows how black text looks on a background with the XYZ color 36.3641, 28.8137, 84.5339.



This preview shows how white text looks on a background with the XYZ color 36.3641, 28.8137,

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

36.3641, 28.8137, 84.5339

Protanopia

32.3333, 29.2564, 94.3854

Deuteranopia

29.8495, 28.9312, 81.8529



Tritanopia

26.9267, 28.8688, 37.4107

Trichromacy



Original Color

36.3641, 28.8137, 84.5339

Protanomaly

33.3308, 28.7527, 90.9819

Deuteranomaly

31.5759, 28.4673, 82.4278

Tritanomaly

29.5865, 28.3433, 51.4884

Monochromacy



Original Color

36.3641, 28.8137, 84.5339

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.5912, 29.1662, 47.7334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3641, 28.8137, 84.5339 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(152, 130, 238)` looks like.

```
.text, #text, p{  
    color:rgb(152, 130, 238)  
}
```

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(152, 130, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 130, 238) }
```

Border

The CSS property to change the border of an element to XYZ 36.3641, 28.8137, 84.5339 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(152, 130, 238) }
```


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

```
.border{ border-color:rgb(152, 130, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 130, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 130, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 130, 238);  
box-shadow:4px 4px 4px 4px rgb(152, 130,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3641, 28.8137, 84.5339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 130, 238) }
```

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

```
.background{ background-color: rgb(152,  
130, 238) }
```

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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