

Converting Colors

XYZ(35.6487, 22.9160, 97.1521)

Have a look what the booklet for
XYZ(35.6487, 22.9160, 97.1521)
contains.

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Color

**XYZ(35.6487, 22.9160,
97.1521)**

Conversions

Conversions Part 1

Format	Color
Hex	9963FF
RGB	153, 99, 255
RGB Percent	60%, 39%, 100%
CMY	0.4000, 0.6118, 0.0000
CMYK	0.40, 0.61, 0.00, 0.00
HSL	261°, 100%, 69%
HSV	261°, 61%, 100%
XYZ	35.6487, 22.9160, 97.1521
YIQ	132.9300, -17.8920, 59.9640

Conversions

Conversions Part 2

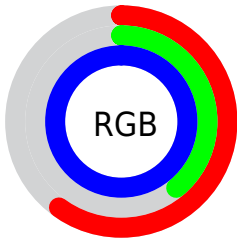
Format	Color
R_{YB}	153, 99, 255
Decimal	10052607
CIE _{Lab}	54.99, 54.61, -70.15
CIE _{LCh}	55, 88.903, 307.898
Yxy	22.9160, 0.2289, 0.1472
Android (android.graphics.Color)	4288242687 (0xFF9963FF)
YUV	132.9300, 60.1805, 17.6014
Hunter-Lab	47.8707, 49.1531, -86.8179

Details

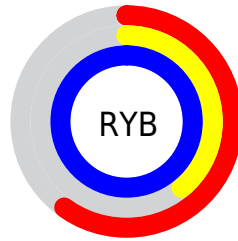
The XYZ color **35.6487, 22.9160, 97.1521** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **62.0989, 84.8380, 24.9072**, and the grayscale version is **22.0627, 23.2116, 25.2775**.

A 20% lighter version of the original color is **56.4296, 43.6735, 100.0634**, and **15.6492, 8.4723, 53.6338** is the 20% darker color. If you saturate the color by 10%, you get **30.6730, 17.3133, 96.3329**, and if you desaturate by 10%, it is **41.8285, 30.2714, 98.2461**.

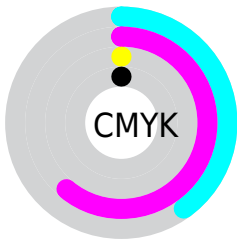
Distribution



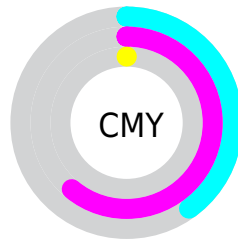
- Red (60%)
- Green (39%)
- Blue (100%)



- Red (60%)
- Yellow (39%)
- Blue (100%)



- Cyan (40%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6487, 22.9160, 97.1521 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 35.6487, 22.9160, 97.1521 by changing the saturation by 10% instead.


 35.6487, 22.9160,
97.1521


 35.6487, 22.9160,
97.1521


318.8805,
267.2933, 572.1914


 24.3319, 14.5315,
73.3207


 67.8169, 48.2554,
159.2555


 15.7060, 8.4912,
53.7448


 89.3990, 65.9790,
198.3647

 9.4059, 4.4109,
38.0059


 115.1335, 87.5845,
243.4035

 5.0661, 1.9059,
25.6854

 145.3859,
113.4562, 294.7905

 2.3213, 0.5519,
16.3648

180.5214,
143.9785, 352.9442

 0.8055, 0.0000,
9.6255

220.9055,

 0.0000, 0.0000,

179.5359, 418.2833

5.0490

266.9034,
220.5127, 491.2261

■ 0.0000, 0.0000,
2.2168

■ 0.0000, 0.0000,
0.6840

■ 35.6487, 22.9160,
97.1521

■ 35.6487, 22.9160,
97.1521

■ 30.6730, 17.3133,
96.3329

■ 41.8285, 30.2714,
98.2461

■ 26.8056, 13.3028,
95.7626

■ 49.2913, 39.5161,
99.6372

■ 23.9386, 10.6960,
95.4106

■ 58.1124, 50.7752,
101.3455

■ 22.1005, 9.3081,
95.2396

■ 68.3598, 64.1621,
103.3893

■ 80.0971, 79.7817,
105.7856

■ 93.3834, 97.7319,
108.5501

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



24.4955, 22.9160, 126.8559



35.6487, 22.9160, 97.1521



44.5324, 22.9160, 51.5109

Triad

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



35.6487, 22.9160, 97.1521



29.7339, 22.9160, 0.8692



7.8682, 22.9160, 33.1943

Complementary

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



35.6487, 22.9160, 97.1521



62.0989, 84.8380, 24.9072

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.



8.5008, 22.9160, 9.5753



35.6487, 22.9160, 97.1521



19.2748, 22.9160, 0.4714

Square

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



35.6487, 22.9160, 97.1521



40.4604, 22.9160, 4.2380



12.0762, 22.9160, 1.9398



9.9716, 22.9160, 75.4716

Rectangle

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



35.6487, 22.9160, 97.1521



46.7965, 22.9160, 26.9992



12.0762, 22.9160, 1.9398



7.7837, 22.9160, 23.0103

Sweetspot

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



35.6497, 22.9167, 97.1522



71.9230, 68.8759, 104.1114



44.5518, 52.5849, 102.4095



14.6944, 13.8159, 22.1422



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.



35.6497, 22.9167, 97.1522



29.8877, 16.4680, 96.2111



54.8252, 32.8021, 98.0496



17.5959, 17.6834, 22.7358



11.6922, 4.9380, 49.7715



1.2507, 0.5387, 4.8513

Inverse Universe

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



56.2443, 34.4009, 58.9323



52.7145, 29.2400, 51.9020



46.4699, 76.7810, 24.1758



18.5099, 18.1873, 21.3021



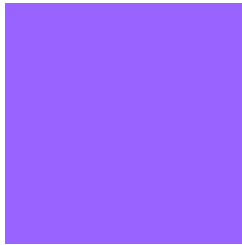
25.2533, 12.5906, 20.5160



2.5104, 1.2465, 2.2690

Previews

White Background



This preview shows how the XYZ color 35.6487, 22.9160, 97.1521 looks on a white background.

Color Contrast Check

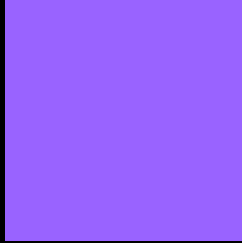
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6487, 22.9160, 97.1521 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 35.6487, 22.9160, 97.1521

Background



This preview shows how black text looks on a background with the XYZ color 35.6487, 22.9160, 97.1521.



This preview shows how white text looks on a background with the XYZ color 35.6487, 22.9160,

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

35.6487, 22.9160, 97.1521

Protanopia

27.1607, 23.1830, 97.6510

Deuteranopia

23.5205, 23.0484, 81.8064



Tritanopia

21.7512, 22.6976, 28.8259

Trichromacy



Original Color

35.6487, 22.9160, 97.1521

Protanomaly

28.6277, 22.1162, 97.3678

Deuteranomaly

24.4953, 20.9263, 86.7525

Tritanomaly

25.2974, 21.8468, 47.6833

Monochromacy



Original Color

35.6487, 22.9160, 97.1521

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.5884, 22.4245, 44.5747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6487, 22.9160, 97.1521 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(153, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 99, 255)  
}
```

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(153, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 99, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.6487, 22.9160, 97.1521 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(153, 99, 255) }
```


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

```
.border{ border-color:rgb(153, 99, 255) }
```

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

Here you see how a box with a 4 pixel rgb(153, 99, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 99,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6487, 22.9160, 97.1521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 99, 255) }
```

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

```
.background{ background-color: rgb(153, 99,  
255) }
```

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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