

Converting Colors

XYZ(13.1508, 9.7124, 32.6497)

Have a look what the booklet for
XYZ(13.1508, 9.7124, 32.6497)
contains.

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Color

**XYZ(13.1688, 9.7308,
32.6366)**

Conversions

Conversions Part 1

Format	Color
Hex	5F4A9C
RGB	95, 74, 156
RGB Percent	37%, 29%, 61%
CMY	0.6274, 0.7098, 0.3882
CMYK	0.39, 0.53, 0.00, 0.39
HSL	255°, 36%, 45%
HSV	255°, 53%, 61%
XYZ	13.1688, 9.7308, 32.6366
YIQ	89.6270, -13.8060, 29.9540

Conversions

Conversions Part 2

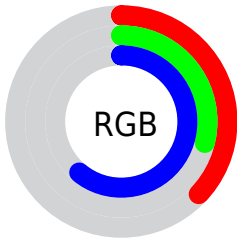
Format	Color
R_{YB}	95, 74, 156
Decimal	6245020
CIE _{Lab}	37.35, 28.75, -41.86
CIE _{LCh}	37, 50.778, 304.482
Yxy	9.7308, 0.2371, 0.1752
Android (android.graphics.Color)	4284435100 (0xFF5F4A9C)
YUV	89.6270, 32.7219, 4.7121
Hunter-Lab	31.1942, 20.7648, -40.1955

Details

The XYZ color **13.1688, 9.7308, 32.6366** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **23.1164, 29.4224, 10.9397**, and the grayscale version is **9.5667, 10.0649, 10.9607**.

A 20% lighter version of the original color is **31.2353, 25.2586, 64.8571**, and **3.8929, 2.3704, 13.3491** is the 20% darker color. If you saturate the color by 10%, you get **11.1366, 7.3242, 32.2794**, and if you desaturate by 10%, it is **15.6397, 12.7472, 33.0888**.

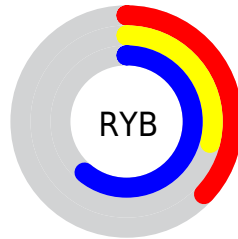
Distribution



Red (37%)

Green (29%)

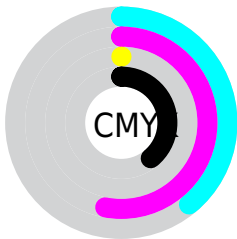
Blue (61%)



Red (37%)

Yellow (29%)

Blue (61%)

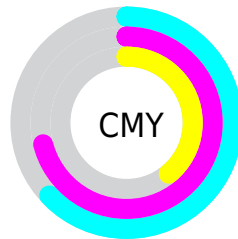


Cyan (39%)

Magenta (53%)

Yellow (0%)

Black (39%)



Cyan (63%)

Magenta (71%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1688, 9.7308, 32.6366 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 13.1688, 9.7308, 32.6366 by changing the saturation by 10% instead.

■ 13.1688, 9.7308,
32.6366

■ 13.1688, 9.7308,
32.6366

205.6125,
188.7398, 328.5907

■ 7.6227, 5.2208,
21.5794

■ 31.2054, 25.2879,
64.9172

■ 3.9042, 2.3774,
13.3528

■ 44.4267, 37.1039,
86.9777

■ 1.6481, 0.8142,
7.5384

■ 60.9370, 52.1239,
113.5430

■ 0.4235, 0.0000,
3.7175

■ 81.1018, 70.7325,
145.0316

■ 0.0000, 0.0000,
1.4717

■ 105.2864, 93.3140,
181.8622

■ 0.0000, 0.0000,
0.1967

133.8561,

■ 0.0000, 0.0000,

120.2528, 224.4532

0.0000

167.1764,
151.9332, 273.2232

■ 13.1688, 9.7308,
32.6366

■ 13.1688, 9.7308,
32.6366

■ 11.1366, 7.3242,
32.2794

■ 15.6397, 12.7472,
33.0888

■ 9.5145, 5.4834,
32.0096

■ 18.5730, 16.4111,
33.6414

■ 8.2722, 4.1600,
31.8196

■ 21.9919, 20.7583,
34.3003

■ 7.3741, 3.2963,
31.7002

■ 25.9180, 25.8219,
35.0707

■ 6.8740, 2.8505,
31.6405

■ 30.3712, 31.6324,
35.9576

■ 35.3705, 38.2188,
36.9654

■ 40.9339, 45.6084,
38.0985

■ 47.0786, 53.8274,
39.3611

■ 53.8209, 62.9005,
40.7570

Harmonies

Analogous

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



9.7358, 9.7308, 39.4781



13.1688, 9.7308, 32.6366



15.9523, 9.7308, 20.0936

Triad

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



13.1688, 9.7308, 32.6366



12.1470, 9.7308, 1.3392



4.3870, 9.7308, 12.0261

Complementary

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



13.1688, 9.7308, 32.6366



23.1164, 29.4224, 10.9397

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.



4.7486, 9.7308, 4.6916



13.1688, 9.7308, 32.6366



8.7783, 9.7308, 0.9636

Square

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



13.1688, 9.7308, 32.6366



15.2737, 9.7308, 3.4429



6.1960, 9.7308, 1.7151



5.0622, 9.7308, 23.9558

Rectangle

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



13.1688, 9.7308, 32.6366



16.7851, 9.7308, 12.3736



6.1960, 9.7308, 1.7151



4.3929, 9.7308, 8.9959

Sweetspot

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



13.1692, 9.7311, 32.6368



44.2872, 43.2913, 63.1486



17.5590, 21.3243, 34.6432



9.4477, 9.1423, 13.8371



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.1692, 9.7311, 32.6368



19.6802, 12.6701, 58.5350



18.5221, 12.4907, 32.8874



6.4361, 6.5133, 8.3247



5.6904, 2.3625, 26.0633



0.1374, 0.0606, 0.4677

Inverse Universe

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



20.5325, 13.7151, 24.4869



34.8095, 20.8784, 40.7663



17.7923, 26.6778, 10.6905



6.8315, 6.7255, 7.9640



13.9065, 6.8672, 14.2907



0.2646, 0.1292, 0.3393

Previews

White Background



This preview shows how the XYZ color 13.1688, 9.7308, 32.6366 looks on a white 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

Black Background



This preview shows how the XYZ color 13.1688, 9.7308, 32.6366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

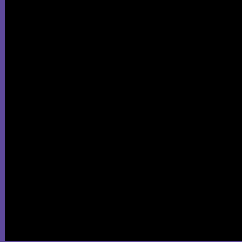
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1688, 9.7308, 32.6366

Background



This preview shows how black text looks on a background with the XYZ color 13.1688, 9.7308, 32.6366.



This preview shows how white text looks on a background with the XYZ color 13.1688, 9.7308,

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

13.1688, 9.7308, 32.6366

Protanopia

11.1784, 9.7793, 37.8576

Deuteranopia

10.0497, 9.8197, 31.5027



Tritanopia

9.0770, 9.7386, 12.4677

Trichromacy



Original Color

13.1688, 9.7308, 32.6366

Protanomaly

11.4778, 9.5213, 35.8832

Deuteranomaly

10.6904, 9.5436, 31.8505

Tritanomaly

10.2781, 9.6271, 18.4560

Monochromacy



Original Color

13.1688, 9.7308, 32.6366

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.6212, 9.8309, 17.2573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1688, 9.7308, 32.6366 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(95, 74, 156)` looks like.

```
.text, #text, p{  
    color:rgb(95, 74, 156)  
}
```

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(95, 74, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 74, 156) }
```

Border

The CSS property to change the border of an element to XYZ 13.1688, 9.7308, 32.6366 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(95, 74, 156) }
```


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

```
.border{ border-color:rgb(95, 74, 156) }
```

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

Here you see how a box with a 4 pixel rgb(95, 74, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 74, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 74, 156);  
box-shadow:4px 4px 4px 4px rgb(95, 74,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1688, 9.7308, 32.6366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 74, 156) }
```

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

```
.background{ background-color: rgb(95, 74,  
156) }
```

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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