

Converting Colors

XYZ(31.3195, 23.8449, 72.7648)

Have a look what the booklet for
XYZ(31.3195, 23.8449, 72.7648)
contains.

XYZ(31.4187, 23.9295, 72.7749)	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(31.4187, 23.9295,
72.7749)**

Conversions

Conversions Part 1

Format	Color
Hex	9274DF
RGB	146, 116, 223
RGB Percent	57%, 45%, 87%
CMY	0.4274, 0.5451, 0.1255
CMYK	0.35, 0.48, 0.00, 0.13
HSL	257°, 63%, 66%
HSV	257°, 48%, 87%
XYZ	31.4187, 23.9295, 72.7749
YIQ	137.1680, -16.4670, 39.6370

Conversions

Conversions Part 2

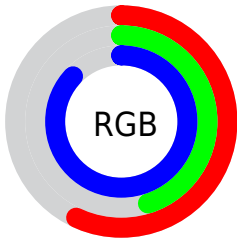
Format	Color
RYB	146, 116, 223
Decimal	9598175
CIELab	56.02, 35.30, -50.70
CIELCh	56, 61.775, 304.847
Yxy	23.9295, 0.2452, 0.1868
Android (android.graphics.Color)	4287788255 (0xFF9274DF)
YUV	137.1680, 42.3152, 7.7457
Hunter-Lab	48.9178, 29.0401, -53.9632

Details

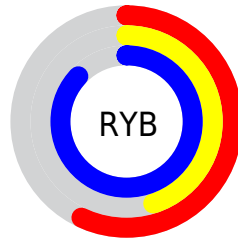
The XYZ color **31.4187, 23.9295, 72.7749** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.5326, 65.3741, 26.4262**, and the grayscale version is **23.6917, 24.9255, 27.1438**.

A 20% lighter version of the original color is **56.8666, 48.2924, 100.9319**, and **13.2966, 9.0285, 37.6011** is the 20% darker color. If you saturate the color by 10%, you get **26.4948, 18.0226, 71.8947**, and if you desaturate by 10%, it is **37.3619, 31.2783, 73.8806**.

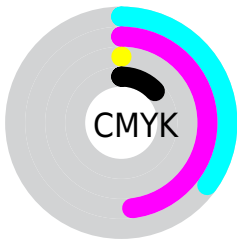
Distribution



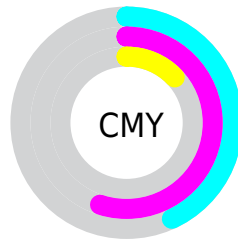
- Red (57%)
- Green (45%)
- Blue (87%)



- Red (57%)
- Yellow (45%)
- Blue (87%)



- Cyan (35%)
- Magenta (48%)
- Yellow (0%)
- Black (13%)



- Cyan (43%)
- Magenta (55%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4187, 23.9295, 72.7749 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 31.4187, 23.9295, 72.7749 by changing the saturation by 10% instead.

■ 31.4187, 23.9295,
72.7749

■ 31.4187, 23.9295,
72.7749

300.2552,
272.4639, 489.2841

■ 21.0713, 15.2813,
53.3012

■ 61.2700, 49.9151,
124.8756

■ 13.2889, 9.0171,
37.6539

■ 81.5047, 68.0214,
158.3396

■ 7.7061, 4.7523,
25.4144

■ 105.7657, 90.0491,
197.3042

■ 3.9577, 2.1027,
16.1643

134.4186,
116.3827, 242.1879

■ 1.6782, 0.6661,
9.4849

167.8286,
147.4066, 293.4091

■ 0.4426, 0.0000,
4.9577

206.3612,

■ 0.0000, 0.0000,

183.5052, 351.3866

2.1641

250.3816,
225.0628, 416.5387

■ 0.0000, 0.0000,
0.6536

■ 0.0000, 0.0000,
0.0000

■ 31.4187, 23.9295,
72.7749

■ 31.4187, 23.9295,
72.7749

■ 26.4948, 18.0226,
71.8947

■ 37.3619, 31.2783,
73.8806

■ 22.5258, 13.4568,
71.2226

■ 44.3775, 40.1554,
75.2243

■ 19.4440, 10.1219,
70.7414

■ 52.5183, 50.6432,
76.8195

■ 17.1702, 7.8881,
70.4300

■ 61.8325, 62.8174,
78.6785

■ 15.5993, 6.5756,
70.2595

■ 72.3656, 76.7490,
80.8124

■ 15.3391, 6.3690,
70.2333

■ 84.1606, 92.5047,
83.2319

■ 90.3194, 98.1077,
83.9888

Harmonies

Analogous

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



23.9110, 23.9295, 87.1887



31.4187, 23.9295, 72.7749



37.3825, 23.9295, 46.3259

Triad

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



31.4187, 23.9295, 72.7749



29.0177, 23.9295, 4.3269



11.7197, 23.9295, 29.4811

Complementary

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



31.4187, 23.9295, 72.7749



51.5326, 65.3741, 26.4262

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.



12.5342, 23.9295, 12.7750



31.4187, 23.9295, 72.7749



21.6161, 23.9295, 3.3409

Square

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



31.4187, 23.9295, 72.7749



35.8072, 23.9295, 9.5529



15.8343, 23.9295, 5.3975



13.3214, 23.9295, 55.1909

Rectangle

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



31.4187, 23.9295, 72.7749



39.1257, 23.9295, 29.7064



15.8343, 23.9295, 5.3975



11.7237, 23.9295, 22.7161

Sweetspot

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



31.4197, 23.9304, 72.7755



75.8719, 74.7487, 105.0368



39.9182, 47.8330, 76.9412



15.6691, 15.2558, 22.3688



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.



31.4197, 23.9304, 72.7755



35.6341, 24.1053, 97.3824



42.8628, 29.8295, 73.3110



13.3111, 13.4284, 17.2781



9.1143, 3.7939, 41.3003



0.7176, 0.3072, 2.8667

Inverse Universe

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



46.3029, 32.0297, 54.1939



58.5859, 36.6274, 67.2867



40.5195, 59.6966, 25.9108



14.1225, 13.8666, 16.4155



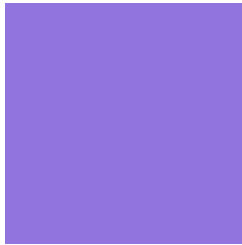
21.6990, 10.7466, 20.8784



1.5416, 0.7599, 1.6451

Previews

White Background



This preview shows how the XYZ color 31.4187, 23.9295, 72.7749 looks on a white background.

Color Contrast Check

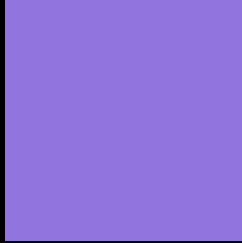
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4187, 23.9295, 72.7749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

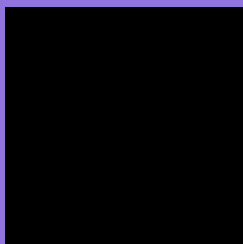
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4187, 23.9295, 72.7749

Background



This preview shows how black text looks on a background with the XYZ color 31.4187, 23.9295, 72.7749.



This preview shows how white text looks on a background with the XYZ color 31.4187, 23.9295,

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

31.4187, 23.9295, 72.7749

Protanopia

27.1487, 24.2783, 83.3761

Deuteranopia

24.9298, 24.2363, 70.3820



Tritanopia

22.8419, 23.8404, 30.1858

Trichromacy



Original Color

31.4187, 23.9295, 72.7749

Protanomaly

28.0897, 23.8737, 79.4715

Deuteranomaly

26.4631, 23.6089, 70.8724

Tritanomaly

25.2855, 23.4301, 42.7249

Monochromacy



Original Color

31.4187, 23.9295, 72.7749

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.7334, 24.1031, 40.3419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4187, 23.9295, 72.7749 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, 116, 223)` looks like.

```
.text, #text, p{  
    color:rgb(146, 116, 223)  
}
```

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, 116, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 116, 223) }
```

Border

The CSS property to change the border of an element to XYZ 31.4187, 23.9295, 72.7749 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, 116, 223) }
```


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

```
.border{ border-color:rgb(146, 116, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 116, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 116, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 116, 223);  
box-shadow:4px 4px 4px 4px rgb(146, 116,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4187, 23.9295, 72.7749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 116, 223) }
```

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

```
.background{ background-color: rgb(146,  
116, 223) }
```

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