

Converting Colors

XYZ(33.6284, 23.4184, 79.1295)

Have a look what the booklet for
XYZ(33.6284, 23.4184, 79.1295)
contains.

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Color

**XYZ(33.7278, 23.5097,
79.1041)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6BE8
RGB	157, 107, 232
RGB Percent	62%, 42%, 91%
CMY	0.3843, 0.5804, 0.0902
CMYK	0.32, 0.54, 0.00, 0.09
HSL	264°, 73%, 66%
HSV	264°, 54%, 91%
XYZ	33.7278, 23.5097, 79.1041
YIQ	136.2000, -10.3250, 49.4750

Conversions

Conversions Part 2

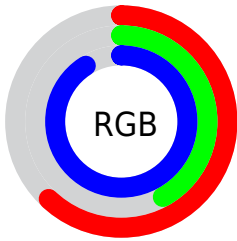
Format	Color
R _Y B	157, 107, 232
Decimal	10316776
CIE Lab	55.59, 45.39, -56.36
CIE LCh	56, 72.365, 308.850
Yxy	23.5097, 0.2474, 0.1724
Android (android.graphics.Color)	4288506856 (0xFF9D6BE8)
YUV	136.2000, 47.2294, 18.2416
Hunter-Lab	48.4868, 39.3141, -62.7883

Details

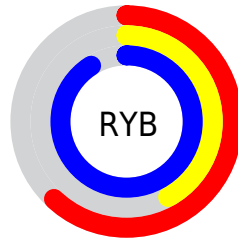
The XYZ color **33.7278, 23.5097, 79.1041** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **50.8021, 68.7202, 24.4974**, and the grayscale version is **23.3089, 24.5228, 26.7053**.

A 20% lighter version of the original color is **58.6451, 46.8087, 100.5518**, and **14.6664, 8.8275, 42.0052** is the 20% darker color. If you saturate the color by 10%, you get **29.0627, 17.9833, 78.2837**, and if you desaturate by 10%, it is **39.3530, 30.4947, 80.1563**.

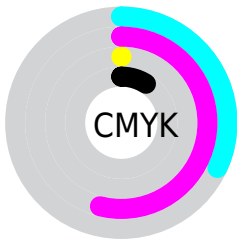
Distribution



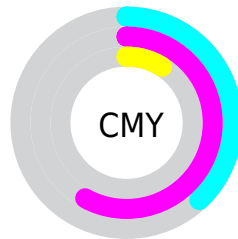
- Red (62%)
- Green (42%)
- Blue (91%)



- Red (62%)
- Yellow (42%)
- Blue (91%)



- Cyan (32%)
- Magenta (54%)
- Yellow (0%)
- Black (9%)



- Cyan (38%)
- Magenta (58%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7278, 23.5097, 79.1041 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 33.7278, 23.5097, 79.1041 by changing the saturation by 10% instead.

33.7278, 23.5097,
79.1041

33.7278, 23.5097,
79.1041

310.5239,
270.3322, 511.5354

22.8465, 14.9703,
58.4596

64.8573, 49.2289,
133.9054

14.6002, 8.7986,
41.7611

85.8361, 67.1775,
168.8993

8.6238, 4.6100,
28.5901

110.9115, 89.0313,
209.5133

4.5518, 2.0203,
18.5280

140.4487,
115.1747, 256.1661

2.0188, 0.6192,
11.1564

174.8133,
145.9921, 309.2761

0.6445, 0.0000,
6.0566

214.3704,

0.0000, 0.0000,

181.8679, 369.2620

2.8102

259.4855,
223.1865, 436.5422

■ 0.0000, 0.0000,
0.9986

■ 0.0000, 0.0000,
0.0000

■ 33.7278, 23.5097,
79.1041

■ 33.7278, 23.5097,
79.1041

■ 29.0627, 17.9833,
78.2837

■ 39.3530, 30.4947,
80.1563

■ 25.2913, 13.8014,
77.6753

■ 45.9925, 39.0355,
81.4549

■ 22.3421, 10.8359,
77.2584

■ 53.6996, 49.2234,
83.0152

■ 20.1285, 8.9312,
77.0074

■ 62.5227, 61.1421,
84.8507

■ 19.0599, 8.1431,
76.9116

■ 72.5071, 74.8693,
86.9741

■ 83.6957, 90.4779,
89.3971

■ 91.3604, 98.5005,
90.5417

■ 91.5656, 98.6062,
90.5513

Harmonies

Analogous

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



24.8521, 23.5097, 100.8274



33.7278, 23.5097, 79.1041



40.4465, 23.5097, 45.5203

Triad

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



33.7278, 23.5097, 79.1041



28.5106, 23.5097, 2.3833



10.1336, 23.5097, 33.1680

Complementary

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



33.7278, 23.5097, 79.1041



50.8021, 68.7202, 24.4974

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.



10.6569, 23.5097, 12.5479



33.7278, 23.5097, 79.1041



20.0130, 23.5097, 1.9064

Square

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



33.7278, 23.5097, 79.1041



36.9597, 23.5097, 6.4696



13.8638, 23.5097, 4.1081



12.2024, 23.5097, 65.4975

Rectangle

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



33.7278, 23.5097, 79.1041



42.0349, 23.5097, 26.5122



13.8638, 23.5097, 4.1081



10.0254, 23.5097, 24.7051

Sweetspot

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



33.7288, 23.5106, 79.1047



74.9476, 72.3237, 104.6174



37.3575, 42.4086, 82.5611



15.5467, 14.8091, 22.2890



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.



33.7288, 23.5106, 79.1047



35.2670, 21.4297, 96.8853



49.1878, 31.4800, 79.8281



14.1257, 14.1670, 18.1343



10.7143, 4.5893, 42.7043



0.8943, 0.3920, 3.1605

Inverse Universe

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



46.9803, 31.0492, 47.7728



53.9858, 32.1075, 51.3244



39.1876, 62.7327, 23.9538



14.7382, 14.5125, 16.8219



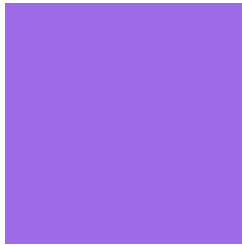
21.1340, 10.5878, 14.8667



1.6073, 0.8006, 1.3386

Previews

White Background



This preview shows how the XYZ color 33.7278, 23.5097, 79.1041 looks on a white background.

Color Contrast Check

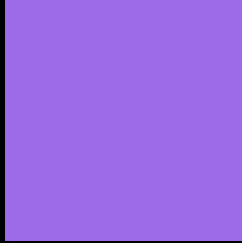
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7278, 23.5097, 79.1041 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 33.7278, 23.5097, 79.1041

Background



This preview shows how black text looks on a background with the XYZ color 33.7278, 23.5097, 79.1041.



This preview shows how white text looks on a background with the XYZ color 33.7278, 23.5097,

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

33.7278, 23.5097, 79.1041

Protanopia

27.7895, 23.9130, 96.9169

Deuteranopia

24.4993, 23.6994, 75.2347



Tritanopia

23.4378, 23.3773, 28.4763

Trichromacy



Original Color

33.7278, 23.5097, 79.1041



Protanomaly

28.4017, 22.8700, 90.1062



Deuteranomaly

26.3568, 22.6694, 76.3853



Tritanomaly

26.4536, 23.0861, 43.1062

Monochromacy



Original Color

33.7278, 23.5097, 79.1041



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

26.1859, 23.5368, 41.6910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7278, 23.5097, 79.1041 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(157, 107, 232)` looks like.

```
.text, #text, p{  
    color:rgb(157, 107, 232)  
}
```

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(157, 107, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 107, 232) }
```

Border

The CSS property to change the border of an element to XYZ 33.7278, 23.5097, 79.1041 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(157, 107, 232) }
```


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

```
.border{ border-color:rgb(157, 107, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 107, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 107, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 107, 232);  
box-shadow:4px 4px 4px 4px rgb(157, 107,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7278, 23.5097, 79.1041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 107, 232) }
```

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

```
.background{ background-color: rgb(157,  
107, 232) }
```

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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