

Converting Colors

XYZ(28.0316, 23.9072, 64.1534)

Have a look what the booklet for
XYZ(28.0316, 23.9072, 64.1534)
contains.

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Color

**XYZ(28.0197, 23.9875,
64.1260)**

Conversions

Conversions Part 1

Format	Color
Hex	817DD2
RGB	129, 125, 210
RGB Percent	51%, 49%, 82%
CMY	0.4941, 0.5098, 0.1765
CMYK	0.39, 0.40, 0.00, 0.18
HSL	243°, 49%, 66%
HSV	243°, 40%, 82%
XYZ	28.0197, 23.9875, 64.1260
YIQ	135.8860, -24.9010, 27.2830

Conversions

Conversions Part 2

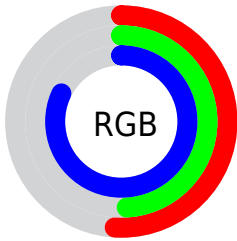
Format	Color
RYB	129, 125, 210
Decimal	8486354
CIELab	56.08, 22.10, -43.38
CIELCh	56, 48.682, 297.000
Yxy	23.9875, 0.2413, 0.2066
Android (android.graphics.Color)	4286676434 (0xFF817DD2)
YUV	135.8860, 36.5382, -6.0390
Hunter-Lab	48.9770, 16.4098, -43.3449

Details

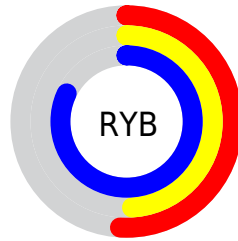
The XYZ color **28.0197, 23.9875, 64.1260** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **52.2021, 60.6960, 28.3670**, and the grayscale version is **23.2342, 24.4442, 26.6198**.

A 20% lighter version of the original color is **53.9780, 49.3751, 101.2931**, and **11.4025, 9.0313, 32.1526** is the 20% darker color. If you saturate the color by 10%, you get **22.8891, 17.8049, 63.2035**, and if you desaturate by 10%, it is **34.3093, 31.6026, 65.2648**.

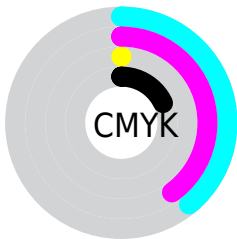
Distribution



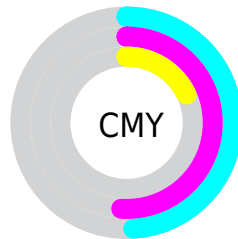
- Red (51%)
- Green (49%)
- Blue (82%)



- Red (51%)
- Yellow (49%)
- Blue (82%)



- Cyan (39%)
- Magenta (40%)
- Yellow (0%)
- Black (18%)



- Cyan (49%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0197, 23.9875, 64.1260 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 28.0197, 23.9875, 64.1260 by changing the saturation by 10% instead.

■ 28.0197, 23.9875,
64.1260

■ 28.0197, 23.9875,
64.1260

284.6394,
272.7573, 457.8645

■ 18.4810, 15.3243,
46.3059

■ 55.9243, 50.0098,
112.3936

■ 11.3977, 9.0473,
32.1369

■ 75.0210, 68.1377,
143.6782

■ 6.4042, 4.7721,
21.2004

■ 98.0344, 90.1894,
180.2880

■ 3.1354, 2.1142,
13.0779

125.3298,
116.5492, 222.6415

■ 1.2258, 0.6726,
7.3508

157.2727,
147.6014, 271.1574

■ 0.1266, 0.0000,
3.6007

194.2283,

■ 0.0000, 0.0000,

183.7306, 326.2542

1.4090

236.5621,
225.3211, 388.3504

■ 0.0000, 0.0000,
0.1487

■ 0.0000, 0.0000,
0.0000

■ 28.0197, 23.9875,
64.1260

■ 28.0197, 23.9875,
64.1260

■ 22.8891, 17.8049,
63.2035

■ 34.3093, 31.6026,
65.2648

■ 18.8443, 12.9629,
62.4821

■ 41.8200, 40.7294,
66.6306

■ 15.8077, 9.3627,
61.9472

■ 50.6124, 51.4444,
68.2354

■ 13.6905, 6.8911,
61.5817

■ 60.7426, 63.8179,
70.0898

■ 12.3883, 5.4140,
61.3653

■ 72.2631, 77.9164,
72.2039

■ 11.7567, 4.7170,
61.2640

■ 85.2238, 93.8023,
74.5871

■ 88.6329, 97.4332,
75.1082

Harmonies

Analogous

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



22.2431, 23.9875, 70.3282



28.0197, 23.9875, 64.1260



33.0215, 23.9875, 46.6572

Triad

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



28.0197, 23.9875, 64.1260



29.1493, 23.9875, 7.9064



13.6836, 23.9875, 24.5445

Complementary

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



28.0197, 23.9875, 64.1260



52.2021, 60.6960, 28.3670

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.



14.9400, 23.9875, 12.7135



28.0197, 23.9875, 64.1260



23.3649, 23.9875, 5.8929

Square

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



28.0197, 23.9875, 64.1260



33.7447, 23.9875, 14.5142



18.2714, 23.9875, 7.2041



14.5208, 23.9875, 42.6794

Rectangle

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



28.0197, 23.9875, 64.1260



34.9185, 23.9875, 33.6497



18.2714, 23.9875, 7.2041



13.8694, 23.9875, 19.8039

Sweetspot

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



28.0206, 23.9884, 64.1266



76.1273, 76.8895, 105.4366



42.4441, 53.7201, 69.1052



15.8933, 15.9684, 22.4945



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.



28.0206, 23.9884, 64.1266



36.1815, 28.4271, 98.1877



35.6169, 27.9044, 64.4821



11.2144, 11.4438, 14.8615



7.1950, 2.8895, 37.3710



0.4208, 0.1711, 2.0904

Inverse Universe

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



45.0530, 32.8258, 62.3538



66.3467, 44.0855, 94.7319



42.1967, 55.5380, 27.8987



12.2858, 11.9990, 14.7806



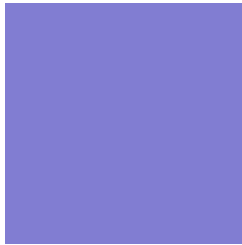
22.5907, 10.9091, 34.3463



1.2707, 0.6130, 1.9603

Previews

White Background



This preview shows how the XYZ color 28.0197, 23.9875, 64.1260 looks on a white background.

Color Contrast Check

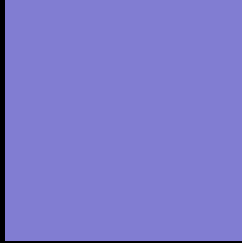
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0197, 23.9875, 64.1260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

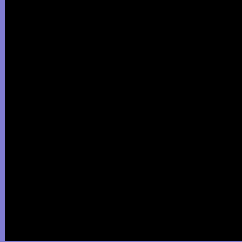
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.0197, 23.9875, 64.1260

Background



This preview shows how black text looks on a background with the XYZ color 28.0197, 23.9875, 64.1260.



This preview shows how white text looks on a background with the XYZ color 28.0197, 23.9875,

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

28.0197, 23.9875, 64.1260

Protanopia

26.1254, 24.2852, 68.2763

Deuteranopia

24.7341, 24.0911, 63.0209



Tritanopia

21.5835, 23.9917, 31.9271

Trichromacy



Original Color

28.0197, 23.9875, 64.1260

Protanomaly

26.6699, 24.0003, 66.8452

Deuteranomaly

25.8093, 24.0242, 63.5984

Tritanomaly

23.4839, 23.7084, 41.8665

Monochromacy



Original Color

28.0197, 23.9875, 64.1260

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.5350, 24.1334, 38.0154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0197, 23.9875, 64.1260 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(129, 125, 210)` looks like.

```
.text, #text, p{  
    color:rgb(129, 125, 210)  
}
```

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(129, 125, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 125, 210) }
```

Border

The CSS property to change the border of an element to XYZ 28.0197, 23.9875, 64.1260 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(129, 125, 210) }
```


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

```
.border{ border-color:rgb(129, 125, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 125, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 125, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 125, 210);  
box-shadow:4px 4px 4px 4px rgb(129, 125,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0197, 23.9875, 64.1260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 125, 210) }
```

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

```
.background{ background-color: rgb(129,  
125, 210) }
```

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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