

Converting Colors

XYZ(30.9932, 20.5217, 66.1749)

Have a look what the booklet for
XYZ(30.9932, 20.5217, 66.1749)
contains.

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Color

**XYZ(31.0406, 20.5418,
65.9473)**

Conversions

Conversions Part 1

Format	Color
Hex	A25ED6
RGB	162, 94, 214
RGB Percent	64%, 37%, 84%
CMY	0.3647, 0.6314, 0.1608
CMYK	0.24, 0.56, 0.00, 0.16
HSL	274°, 59%, 60%
HSV	274°, 56%, 84%
XYZ	31.0406, 20.5418, 65.9473
YIQ	128.0120, 2.0080, 51.7360

Conversions

Conversions Part 2

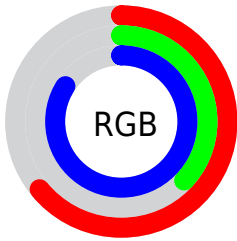
Format	Color
R _{YB}	162, 94, 214
Decimal	10641110
CIE _{Lab}	52.44, 49.31, -51.21
CIE _{LCh}	52, 71.087, 313.915
Yxy	20.5418, 0.2641, 0.1748
Android (android.graphics.Color)	4288831190 (0xFFA25ED6)
YUV	128.0120, 42.3921, 29.8075
Hunter-Lab	45.3231, 42.9347, -54.5437

Details

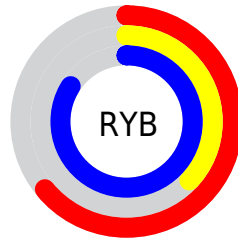
The XYZ color **31.0406, 20.5418, 65.9473** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **37.9214, 55.0127, 19.2101**, and the grayscale version is **20.3800, 21.4413, 23.3496**.

A 20% lighter version of the original color is **57.6971, 43.1475, 99.8951**, and **13.0988, 7.3222, 33.0707** is the 20% darker color. If you saturate the color by 10%, you get **27.5801, 16.3141, 65.3140**, and if you desaturate by 10%, it is **35.1692, 25.8975, 66.7638**.

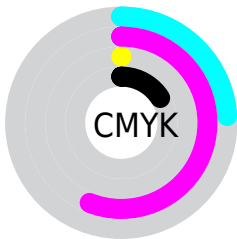
Distribution



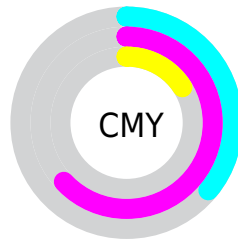
- Red (64%)
- Green (37%)
- Blue (84%)



- Red (64%)
- Yellow (37%)
- Blue (84%)



- Cyan (24%)
- Magenta (56%)
- Yellow (0%)
- Black (16%)



- Cyan (36%)
- Magenta (63%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0406, 20.5418, 65.9473 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 31.0406, 20.5418, 65.9473 by changing the saturation by 10% instead.

31.0406, 20.5418,
65.9473

31.0406, 20.5418,
65.9473

298.5489,
254.8333, 464.5875

20.7817, 12.7895,
47.7734

60.6794, 44.3237,
115.0370

13.0761, 7.2837,
33.2888

80.7900, 61.1221,
146.7898

7.5583, 3.6402,
22.0748

104.9153, 81.7046,
183.9061

3.8631, 1.4744,
13.7130

133.4206,
106.4557, 226.8043

1.6250, 0.2706,
7.7849

166.6713,
135.7597, 275.9030

0.4086, 0.0000,
3.8718

205.0326,

0.0000, 0.0000,

170.0010, 331.6208

1.5553

248.8700,
209.5641, 394.3761

■ 0.0000, 0.0000,
0.2586

■ 0.0000, 0.0000,
0.0000

■ 31.0406, 20.5418,
65.9473

■ 31.0406, 20.5418,
65.9473

■ 27.5801, 16.3141,
65.3140

■ 35.1692, 25.8975,
66.7638

■ 24.7372, 13.1209,
64.8475


■ 40.0058, 32.4597,
67.7755


■ 22.4577, 10.8570,
64.5307


■ 45.5899, 40.3023,
68.9950


■ 20.6732, 9.3907,
64.3417


■ 51.9573, 49.4926,
70.4333


 20.0606, 8.9395,
64.2869

 59.1411, 60.0931,
72.1008

 67.1724, 72.1621,
74.0070

 76.0807, 85.7550,
76.1612

 82.5521, 94.2401,
77.4579

 85.7149, 95.8706,
77.6059

Harmonies

Analogous

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



23.1189, 20.5418, 89.0129



31.0406, 20.5418, 65.9473



36.4675, 20.5418, 35.5386

Triad

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



31.0406, 20.5418, 65.9473



23.7016, 20.5418, 1.6712



8.7792, 20.5418, 33.5631

Complementary

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



31.0406, 20.5418, 65.9473



37.9214, 55.0127, 19.2101

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.



8.8607, 20.5418, 12.9327



31.0406, 20.5418, 65.9473



16.3232, 20.5418, 1.6019

Square

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



31.0406, 20.5418, 65.9473



31.5583, 20.5418, 4.4135



11.2801, 20.5418, 4.0567



11.0200, 20.5418, 63.7466

Rectangle

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



31.0406, 20.5418, 65.9473



37.2612, 20.5418, 19.7187



11.2801, 20.5418, 4.0567



8.5574, 20.5418, 25.2414

Sweetspot

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



31.0414, 20.5426, 65.9478



76.1697, 72.0019, 104.4909



27.0332, 27.7932, 67.5585



15.8773, 14.7921, 22.2683



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.



31.0414, 20.5426, 65.9478



40.2802, 23.4037, 97.0021



42.8753, 26.7584, 61.2981



12.4093, 12.3524, 15.6677



12.2466, 5.4659, 38.8627



0.8328, 0.3782, 2.3484

Inverse Universe

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



36.9230, 24.3774, 29.9536



50.6093, 30.0989, 35.5728



31.0615, 51.4326, 20.8614



12.6445, 12.5093, 14.0680



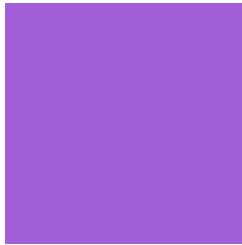
17.9991, 9.1360, 7.2992



1.1267, 0.5675, 0.6566

Previews

White Background



This preview shows how the XYZ color 31.0406, 20.5418, 65.9473 looks on a white background.

Color Contrast Check

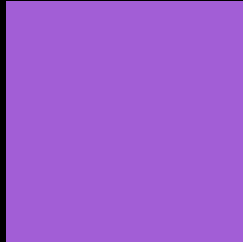
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0406, 20.5418, 65.9473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

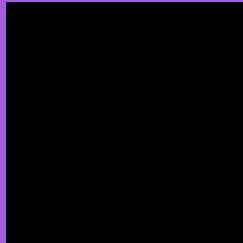
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0406, 20.5418, 65.9473

Background



This preview shows how black text looks on a background with the XYZ color 31.0406, 20.5418, 65.9473.



This preview shows how white text looks on a background with the XYZ color 31.0406, 20.5418,

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

31.0406, 20.5418, 65.9473

Protanopia

24.3454, 20.8664, 85.9636

Deuteranopia

21.5185, 20.8535, 62.5655



Tritanopia

22.1598, 20.4320, 22.5145

Trichromacy



Original Color

31.0406, 20.5418, 65.9473



Protanomaly

24.8276, 19.5713, 78.0704



Deuteranomaly

23.4759, 19.6910, 63.5362



Tritanomaly

24.5891, 20.0813, 34.9278

Monochromacy



Original Color

31.0406, 20.5418, 65.9473



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

23.3186, 20.5694, 35.5422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0406, 20.5418, 65.9473 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(162, 94, 214)` looks like.

```
.text, #text, p{  
    color:rgb(162, 94, 214)  
}
```

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(162, 94, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 94, 214) }
```

Border

The CSS property to change the border of an element to XYZ 31.0406, 20.5418, 65.9473 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(162, 94, 214) }
```


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

```
.border{ border-color:rgb(162, 94, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 94, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 94, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 94, 214);  
box-shadow:4px 4px 4px 4px rgb(162, 94,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0406, 20.5418, 65.9473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 94, 214) }
```

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

```
.background{ background-color: rgb(162, 94,  
214) }
```

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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