

Converting Colors

XYZ(18.0366, 7.3067, 90.8200)

Have a look what the booklet for
XYZ(18.0366, 7.3067, 90.8200)
contains.

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Color

**XYZ(18.0546, 7.3142,
90.9027)**

Conversions

Conversions Part 1

Format	Color
Hex	2600FA
RGB	38, 0, 250
RGB Percent	15%, 0%, 98%
CMY	0.8509, 1.0000, 0.0196
CMYK	0.85, 1.00, 0.00, 0.02
HSL	249°, 100%, 49%
HSV	249°, 100%, 98%
XYZ	18.0546, 7.3142, 90.9027
YIQ	39.8620, -57.6020, 85.8060

Conversions

Conversions Part 2

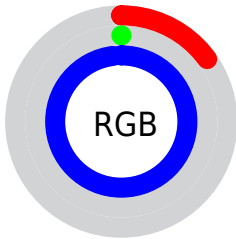
Format	Color
RYB	38, 0, 250
Decimal	2490618
CIELab	32.51, 78.32, -104.68
CIELCh	33, 130.737, 306.803
Yxy	7.3142, 0.1553, 0.0629
Android (android.graphics.Color)	4280680698 (0xFF2600FA)
YUV	39.8620, 103.5980, -1.6330
Hunter-Lab	27.0448, 71.8350, -180.3538

Details

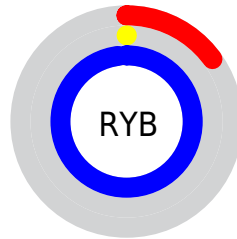
The XYZ color **18.0546, 7.3142, 90.9027** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **61.3307, 82.3652, 12.6656**, and the grayscale version is **1.9203, 2.0203, 2.2001**.

A 20% lighter version of the original color is **29.4206, 16.5219, 96.2461**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **18.0555, 7.3147, 90.9031**, and if you desaturate by 10%, it is **19.4197, 8.5340, 91.0665**.

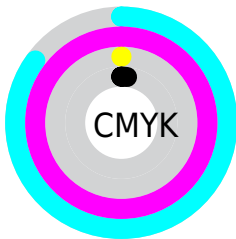
Distribution



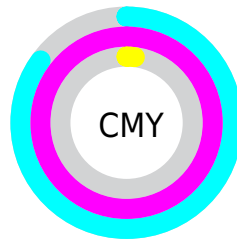
- Red (15%)
- Green (0%)
- Blue (98%)



- Red (15%)
- Yellow (0%)
- Blue (98%)



- Cyan (85%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)




- Cyan (85%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0546, 7.3142, 90.9027 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 18.0546, 7.3142, 90.9027 by changing the saturation by 10% instead.


 18.0546, 7.3142,
90.9027


 18.0546, 7.3142,
90.9027


234.2183,
170.2495, 551.6086


 11.0891, 3.6594,
68.1517


 39.6597, 20.6026,
150.5381


 6.1945, 1.4849,
49.5537


 55.0300, 31.0049,
188.2596

 3.0055, 0.2781,
34.6902


 73.9327, 44.4251,
231.8082

 1.1567, 0.0000,
23.1427

 96.7330, 61.2477,
281.6026

 0.0717, 0.0000,
14.4926

 123.7964, 81.8571,
338.0613


 0.0000, 0.0000,
8.3214

 155.4881,


 0.0000, 0.0000,

106.6376, 401.6029


4.2106


 192.1736,
135.9736, 472.6458

 0.0000, 0.0000,
1.7416


 0.0000, 0.0000,
0.3890


 18.0546, 7.3142,
90.9027


 18.0546, 7.3142,
90.9027

 18.0555, 7.3147,
90.9031

 19.4197, 8.5340,
91.0665

 21.7397, 10.9071,
91.4023

 25.2075, 14.7367,
91.9587

 29.9543, 20.2138,
92.7657

■ 36.0926, 27.4998,
93.8485

■ 43.7224, 36.7367,
95.2293

■ 52.9342, 48.0524,
96.9279

■ 63.8112, 61.5636,
98.9626

■ 76.4309, 77.3783,
101.3500

Harmonies

Analogous

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



8.6137, 7.3142, 132.3747



18.0546, 7.3142, 90.9027



27.1446, 7.3142, 33.5895

Triad

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



18.0546, 7.3142, 90.9027



13.4570, 7.3142, 0.0000



0.2519, 7.3142, 13.2570

Complementary

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



18.0546, 7.3142, 90.9027



61.3307, 82.3652, 12.6656

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.



0.4875, 7.3142, 0.3186



18.0546, 7.3142, 90.9027



5.5189, 7.3142, 0.0000

Square

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



18.0546, 7.3142, 90.9027



23.4920, 7.3142, 0.0000



1.7009, 7.3142, 0.0000



0.8657, 7.3142, 57.8225

Rectangle

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



18.0546, 7.3142, 90.9027



29.7899, 7.3142, 10.2337



1.7009, 7.3142, 0.0000



0.2344, 7.3142, 6.0574

Sweetspot

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



18.0555, 7.3147, 90.9031



55.3390, 50.2247, 101.3854



40.9241, 54.2397, 98.7552



10.9304, 9.6230, 21.5313



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.



18.0555, 7.3147, 90.9031



18.8785, 7.6471, 95.0888



32.2575, 14.6360, 91.5677



16.5287, 16.7697, 21.7510



9.6510, 3.9180, 48.2211



0.9642, 0.3991, 4.4694

Inverse Universe

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



51.3054, 25.0764, 64.4088



53.6627, 26.2291, 67.3473



38.1631, 70.4219, 11.5814



17.8729, 17.4765, 21.1865



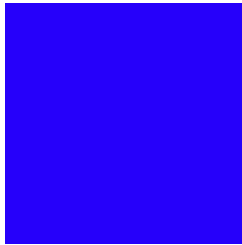
27.2571, 13.3186, 34.3921



2.5542, 1.2454, 3.3418

Previews

White Background



This preview shows how the XYZ color 18.0546, 7.3142, 90.9027 looks on a white background.

Color Contrast Check

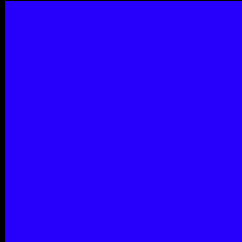
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0546, 7.3142, 90.9027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

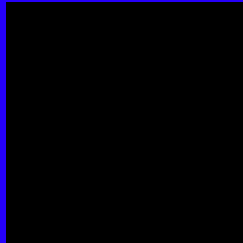
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0546, 7.3142, 90.9027

Background



This preview shows how black text looks on a background with the XYZ color 18.0546, 7.3142, 90.9027.



This preview shows how white text looks on a background with the XYZ color 18.0546, 7.3142,

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

18.0546, 7.3142, 90.9027

Protanopia

8.5168, 7.4325, 32.4382

Deuteranopia

7.1023, 7.4308, 23.2503



Tritanopia

5.1733, 7.3938, 10.8273

Trichromacy



Original Color

18.0546, 7.3142, 90.9027

Protanomaly

10.5323, 5.9250, 49.3037

Deuteranomaly

9.2014, 5.5956, 41.6694

Tritanomaly

6.8926, 4.9639, 28.6118

Monochromacy



Original Color

18.0546, 7.3142, 90.9027

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

4.3367, 2.3876, 16.7553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0546, 7.3142, 90.9027 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(38, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(38, 0, 250)  
}
```

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(38, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 18.0546, 7.3142, 90.9027 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(38, 0, 250) }
```


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

```
.border{ border-color:rgb(38, 0, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 0, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(38, 0, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0546, 7.3142, 90.9027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 0, 250) }
```

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

```
.background{ background-color: rgb(38, 0,  
250) }
```

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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