

Converting Colors

XYZ(10.2611, 4.2591, 46.8501)

Have a look what the booklet for
XYZ(10.2611, 4.2591, 46.8501)
contains.

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Color

**XYZ(10.2282, 4.2490,
46.7354)**

Conversions

Conversions Part 1

Format	Color
Hex	3300BA
RGB	51, 0, 186
RGB Percent	20%, 0%, 73%
CMY	0.8000, 1.0000, 0.2706
CMYK	0.73, 1.00, 0.00, 0.27
HSL	256°, 100%, 36%
HSV	256°, 100%, 73%
XYZ	10.2282, 4.2490, 46.7354
YIQ	36.4530, -29.3100, 68.6580

Conversions

Conversions Part 2

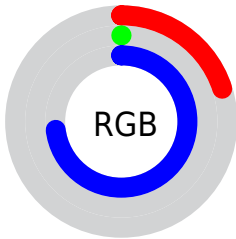
Format	Color
RYB	51, 0, 186
Decimal	3342522
CIELab	24.48, 63.35, -81.08
CIELCh	24, 102.891, 308.003
Yxy	4.2490, 0.1671, 0.0694
Android (android.graphics.Color)	4281532602 (0xFF3300BA)
YUV	36.4530, 73.7267, 12.7577
Hunter-Lab	20.6131, 52.4986, -119.9971

Details

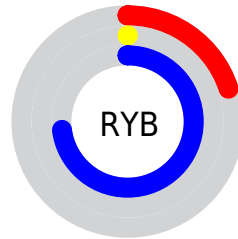
The XYZ color **10.2282, 4.2490, 46.7354** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **27.5491, 40.2680, 6.3205**, and the grayscale version is **1.6579, 1.7442, 1.8994**.

A 20% lighter version of the original color is **25.9083, 14.1915, 86.9617**, and **4.0967, 1.6387, 21.5731** is the 20% darker color. If you saturate the color by 10%, you get **10.2287, 4.2492, 46.7356**, and if you desaturate by 10%, it is **11.2367, 5.1046, 46.8476**.

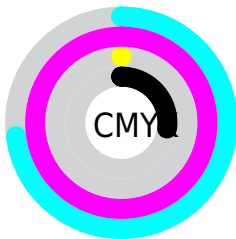
Distribution



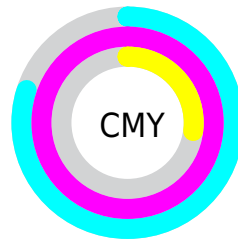
- Red (20%)
- Green (0%)
- Blue (73%)



- Red (20%)
- Yellow (0%)
- Blue (73%)



- Cyan (73%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)



- Cyan (80%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2282, 4.2490, 46.7354 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 10.2282, 4.2490, 46.7354 by changing the saturation by 10% instead.

10.2282, 4.2490,
46.7354

10.2282, 4.2490,
46.7354

186.3129,
142.3112, 390.1205

5.6139, 1.8138,
32.4737

25.8696, 14.1717,
86.6644

2.6502, 0.4958,
21.4557

37.6275, 22.4279,
113.1687

0.9716, 0.0000,
13.2631

52.4974, 33.3933,
144.5910

0.0000, 0.0000,
7.4771

70.8445, 47.4522,
181.3497

0.0000, 0.0000,
3.6793

93.0342, 64.9891,
223.8635


0.0000, 0.0000,
1.4511

119.4320, 86.3883,

0.0000, 0.0000,

272.5509


0.1811

 150.4031,
112.0342, 327.8304

 0.0000, 0.0000,
0.0000


 10.2282, 4.2490,
46.7354


 10.2282, 4.2490,
46.7354


 10.2287, 4.2492,
46.7356

 11.2367, 5.1046,
46.8476

 12.6733, 6.5008,
47.0413

 14.6320, 8.6042,
47.3441

 17.1649, 11.5000,
47.7695

 20.3173, 15.2609,
48.3293

■ 24.1295, 19.9513,
49.0337

■ 28.6382, 25.6293,
49.8921

■ 33.8773, 32.3481,
50.9128

■ 39.8786, 40.1570,
52.1038

Harmonies

Analogous

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



5.1172, 4.2490, 68.8687



10.2282, 4.2490, 46.7354



14.9458, 4.2490, 17.3023

Triad

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



10.2282, 4.2490, 46.7354



7.3494, 4.2490, 0.0000



0.0884, 4.2490, 8.0999

Complementary

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



10.2282, 4.2490, 46.7354



27.5491, 40.2680, 6.3205

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.



0.2468, 4.2490, 0.2562



10.2282, 4.2490, 46.7354



3.1233, 4.2490, 0.0000

Square

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



10.2282, 4.2490, 46.7354



12.6900, 4.2490, 0.0000



1.0434, 4.2490, 0.0000



0.5964, 4.2490, 32.1214

Rectangle

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



10.2282, 4.2490, 46.7354



16.2141, 4.2490, 5.3768



1.0434, 4.2490, 0.0000



0.0654, 4.2490, 3.9493

Sweetspot

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



10.2287, 4.2492, 46.7356



51.4717, 45.8998, 90.3481



17.7236, 21.2664, 49.6252



10.5435, 9.1065, 19.7446



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.2287, 4.2492, 46.7356



18.3409, 7.5993, 84.7015



20.1215, 9.3492, 47.1986



8.7461, 8.8355, 11.3239



6.9447, 2.8913, 31.4451



0.3065, 0.1337, 1.1114

Inverse Universe

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



24.6223, 12.1881, 23.9730



44.5219, 22.0487, 42.8871



18.5721, 35.6402, 5.9004



9.2730, 9.1196, 10.7850



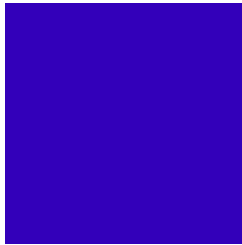
16.5979, 8.2129, 16.3011



0.6097, 0.2994, 0.7043

Previews

White Background



This preview shows how the XYZ color 10.2282, 4.2490, 46.7354 looks on a white background.

Color Contrast Check

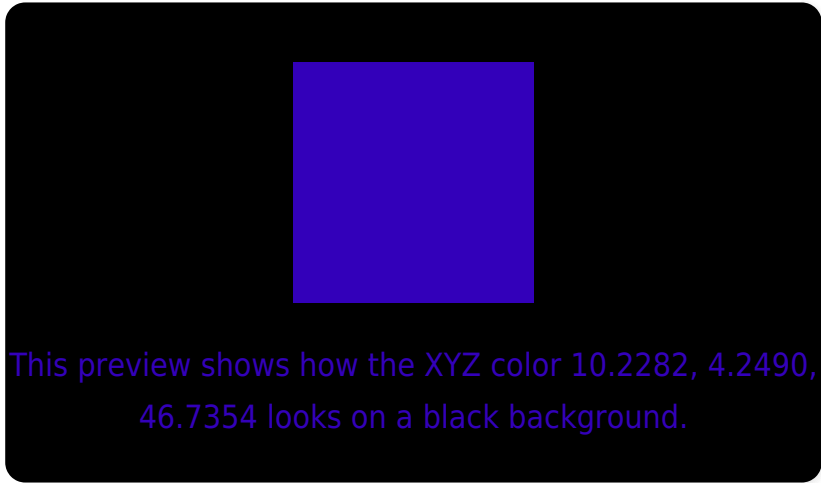
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

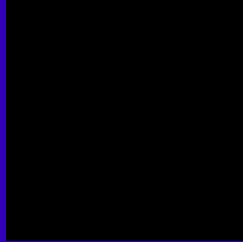
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2282, 4.2490, 46.7354

Background



This preview shows how black text looks on a background with the XYZ color 10.2282, 4.2490, 46.7354.



This preview shows how white text looks on a background with the XYZ color 10.2282, 4.2490,

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

10.2282, 4.2490, 46.7354

Protanopia

5.1391, 4.5580, 19.3478

Deuteranopia

4.2762, 4.5545, 13.7504



Tritanopia

3.1445, 4.4692, 6.6582

Trichromacy



Original Color

10.2282, 4.2490, 46.7354

Protanomaly

6.1500, 3.6000, 27.5649

Deuteranomaly

5.3304, 3.3773, 22.9252

Tritanomaly

4.1131, 3.0585, 15.9963

Monochromacy



Original Color

10.2282, 4.2490, 46.7354

Achromatopsia

1.6769, 1.7642, 1.9212

Achromatomaly

3.1092, 1.8395, 10.0887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2282, 4.2490, 46.7354 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(51, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(51, 0, 186)  
}
```

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(51, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 10.2282, 4.2490, 46.7354 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(51, 0, 186) }
```


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

```
.border{ border-color:rgb(51, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(51, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(51, 0, 186)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2282, 4.2490, 46.7354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 0, 186) }
```

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

```
.background{ background-color: rgb(51, 0,  
186) }
```

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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