

Converting Colors

XYZ(12.2114, 5.0362, 57.4552)

Have a look what the booklet for
XYZ(12.2114, 5.0362, 57.4552)
contains.

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Color

**XYZ(12.2145, 5.0377,
57.4553)**

Conversions

Conversions Part 1

Format	Color
Hex	3200CC
RGB	50, 0, 204
RGB Percent	20%, 0%, 80%
CMY	0.8039, 1.0000, 0.2000
CMYK	0.75, 1.00, 0.00, 0.20
HSL	255°, 100%, 40%
HSV	255°, 100%, 80%
XYZ	12.2145, 5.0377, 57.4553
YIQ	38.2060, -35.6840, 74.0440

Conversions

Conversions Part 2

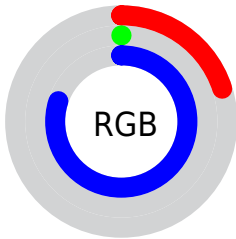
Format	Color
RYB	50, 0, 204
Decimal	3277004
CIELab	26.84, 67.66, -87.75
CIELCh	27, 110.804, 307.632
Yxy	5.0377, 0.1635, 0.0674
Android (android.graphics.Color)	4281467084 (0xFF3200CC)
YUV	38.2060, 81.7364, 10.3433
Hunter-Lab	22.4448, 57.8615, -136.0619

Details

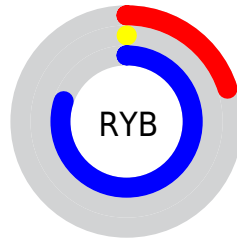
The XYZ color **12.2145, 5.0377, 57.4553** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **34.9170, 50.0546, 7.8212**, and the grayscale version is **1.7954, 1.8889, 2.0570**.

A 20% lighter version of the original color is **28.1666, 15.3274, 96.0817**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **12.2151, 5.0381, 57.4555**, and if you desaturate by 10%, it is **13.3637, 6.0121, 57.5830**.

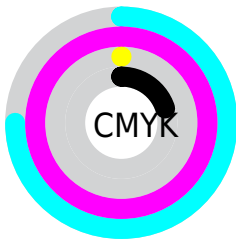
Distribution



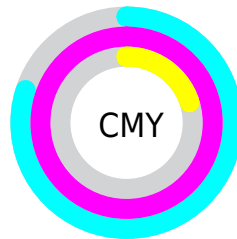
- Red (20%)
- Green (0%)
- Blue (80%)



- Red (20%)
- Yellow (0%)
- Blue (80%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (80%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2145, 5.0377, 57.4553 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 12.2145, 5.0377, 57.4553 by changing the saturation by 10% instead.

■ 12.2145, 5.0377,
57.4553

■ 12.2145, 5.0377,
57.4553

199.5613,
150.1866, 432.6946

■ 6.9632, 2.2694,
40.9591

■ 29.4987, 15.8992,
102.6361

■ 3.4852, 0.7574,
27.9677

■ 42.2622, 24.7611,
132.1579

■ 1.4152, 0.0000,
18.0625

■ 58.2605, 36.4230,
166.8585

■ 0.2670, 0.0000,
10.8249

■ 77.8590, 51.2694,
207.1567

■ 0.0000, 0.0000,
5.8366

■ 101.4229, 69.6845,
253.4708


■ 0.0000, 0.0000,
2.6788


■ 129.3177, 92.0529,


■ 0.0000, 0.0000,


306.2195


0.9327

 161.9087,
118.7588, 365.8212

 0.0000, 0.0000,
0.0000


 12.2145, 5.0377,
57.4553


 12.2145, 5.0377,
57.4553


 12.2151, 5.0381,
57.4555

 13.3637, 6.0121,
57.5830

 15.0623, 7.6727,
57.8140

 17.4245, 10.2167,
58.1806

 20.5186, 13.7532,
58.7001

 24.4039, 18.3749,
59.3874

■ 29.1329, 24.1639,
60.2555

■ 34.7536, 31.1939,
61.3162

■ 41.3103, 39.5326,
62.5802

■ 48.8442, 49.2427,
64.0573

Harmonies

Analogous

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



6.0265, 5.0377, 84.3552



12.2145, 5.0377, 57.4553



17.9997, 5.0377, 21.2624

Triad

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



12.2145, 5.0377, 57.4553



8.8743, 5.0377, 0.0000



0.1434, 5.0377, 9.4599

Complementary

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



12.2145, 5.0377, 57.4553



34.9170, 50.0546, 7.8212

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.



0.3230, 5.0377, 0.2875



12.2145, 5.0377, 57.4553



3.7323, 5.0377, 0.0000

Square

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



12.2145, 5.0377, 57.4553



15.3717, 5.0377, 0.0000



1.2181, 5.0377, 0.0000



0.6822, 5.0377, 38.5770

Rectangle

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



12.2145, 5.0377, 57.4553



19.5948, 5.0377, 6.5698



1.2181, 5.0377, 0.0000



0.1218, 5.0377, 4.5271

Sweetspot

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



12.2151, 5.0381, 57.4555



57.1628, 51.1649, 101.4707



22.8549, 28.2711, 61.3792



11.3500, 9.8393, 21.5509



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.



12.2151, 5.0381, 57.4555



20.0691, 8.2609, 95.1445



23.4033, 10.8058, 57.9791



10.8551, 10.9746, 14.1166



7.7600, 3.2080, 36.1665



0.4713, 0.2021, 1.8691

Inverse Universe

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



30.7336, 15.1701, 31.8746



50.8082, 25.0873, 52.3152



23.1358, 43.9812, 7.2698



11.5654, 11.3549, 13.5121



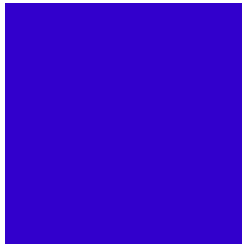
19.3825, 9.5636, 20.2648



1.0288, 0.5049, 1.1974

Previews

White Background



This preview shows how the XYZ color 12.2145, 5.0377, 57.4553 looks on a white background.

Color Contrast Check

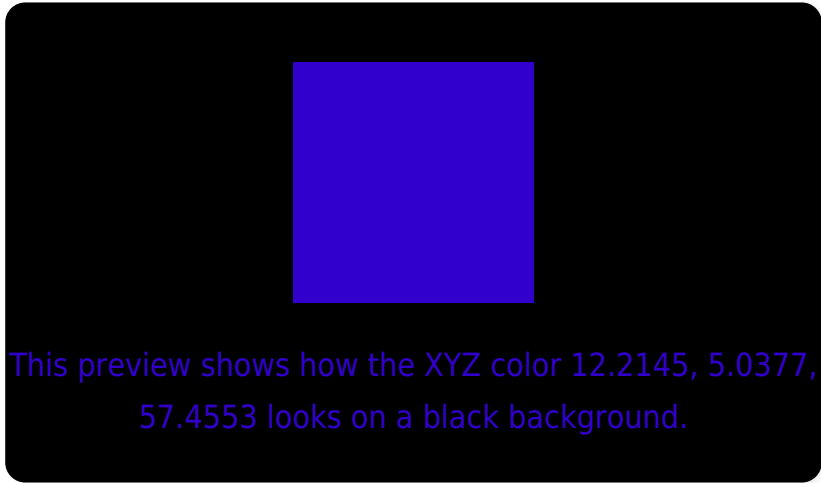
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2145, 5.0377, 57.4553

Background



This preview shows how black text looks on a background with the XYZ color 12.2145, 5.0377, 57.4553.



This preview shows how white text looks on a background with the XYZ color 12.2145, 5.0377,

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

12.2145, 5.0377, 57.4553

Protanopia

6.0111, 5.2485, 22.8865

Deuteranopia

4.9918, 5.3041, 16.0899



Tritanopia

3.7221, 5.3009, 7.8482

Trichromacy



Original Color

12.2145, 5.0377, 57.4553

Protanomaly

7.2663, 4.1494, 33.2188

Deuteranomaly

6.2242, 3.9007, 27.2129

Tritanomaly

4.8016, 3.5126, 19.1638

Monochromacy



Original Color

12.2145, 5.0377, 57.4553

Achromatopsia

1.8423, 1.9382, 2.1107

Achromatomaly

3.4861, 2.0274, 11.7629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2145, 5.0377, 57.4553 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(50, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(50, 0, 204)  
}
```

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(50, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 12.2145, 5.0377, 57.4553 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(50, 0, 204) }
```


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

```
.border{ border-color:rgb(50, 0, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(50, 0, 204)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2145, 5.0377, 57.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 0, 204) }
```

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

```
.background{ background-color: rgb(50, 0,  
204) }
```

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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