

Converting Colors

XYZ(7.6320, 3.2205, 32.6123)

Have a look what the booklet for
XYZ(7.6320, 3.2205, 32.6123)
contains.

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Color

**XYZ(7.6398, 3.2255,
32.5677)**

Conversions

Conversions Part 1

Format	Color
Hex	35009E
RGB	53, 0, 158
RGB Percent	21%, 0%, 62%
CMY	0.7921, 1.0000, 0.3804
CMYK	0.66, 1.00, 0.00, 0.38
HSL	260°, 100%, 31%
HSV	260°, 100%, 62%
XYZ	7.6398, 3.2255, 32.5677
YIQ	33.8590, -19.1300, 60.3740

Conversions

Conversions Part 2

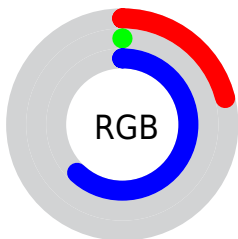
Format	Color
R _Y B	53, 0, 158
Decimal	3473566
CIE Lab	20.93, 56.62, -70.09
CIE LCh	21, 90.104, 308.933
Yxy	3.2255, 0.1759, 0.0743
Android (android.graphics.Color)	4281663646 (0xFF35009E)
YUV	33.8590, 61.2015, 16.7867
Hunter-Lab	17.9597, 44.5020, -94.9435

Details

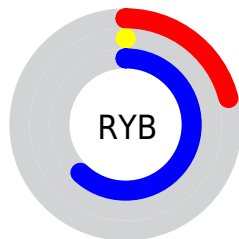
The XYZ color **7.6398, 3.2255, 32.5677** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **18.0518, 27.4567, 4.3482**, and the grayscale version is **1.4665, 1.5428, 1.6802**.

A 20% lighter version of the original color is **20.9559, 11.7998, 64.7914**, and **2.5498, 1.0199, 13.4271** is the 20% darker color. If you saturate the color by 10%, you get **7.6402, 3.2257, 32.5678**, and if you desaturate by 10%, it is **8.4363, 3.9068, 32.6573**.

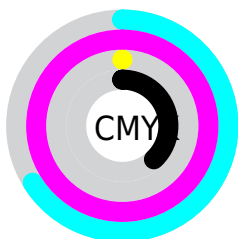
Distribution



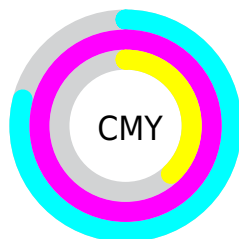
- Red (21%)
- Green (0%)
- Blue (62%)



- Red (21%)
- Yellow (0%)
- Blue (62%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)
- Black (38%)



- Cyan (79%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.6398, 3.2255, 32.5677 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 7.6398, 3.2255, 32.5677 by changing the saturation by 10% instead.

7.6398, 3.2255,
32.5677

7.6398, 3.2255,
32.5677

167.3104,
130.9997, 328.2693

3.9152, 1.2506,
21.5271

20.9415, 11.8179,
64.8082

1.6543, 0.1024,
13.3148

31.2492, 19.2042,
86.8452

0.4274, 0.0000,
7.5124

44.4821, 29.1631,
113.3847

0.0000, 0.0000,
3.7013

61.0054, 42.0789,
144.8453

0.0000, 0.0000,
1.4630

81.1846, 58.3361,
181.6456


0.0000, 0.0000,
0.1901


105.3849, 78.3190,


0.0000, 0.0000,


224.2039


0.0000


 133.9717,
102.4121, 272.9390

 7.6398, 3.2255,
32.5677

 7.6398, 3.2255,
32.5677


 7.6402, 3.2257,
32.5678

 8.4363, 3.9068,
32.6573

 9.5019, 4.9363,
32.7999

 10.9057, 6.4420,
33.0165

 12.6800, 8.4790,
33.3162

 14.8526, 11.0945,
33.7065

■ 17.4487, 14.3303,
34.1943

■ 20.4910, 18.2244,
34.7856

■ 24.0005, 22.8114,
35.4860

■ 27.9971, 28.1238,
36.3007

Harmonies

Analogous

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



3.9474, 3.2255, 48.4364



7.6398, 3.2255, 32.5677



10.9432, 3.2255, 12.0612

Triad

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



7.6398, 3.2255, 32.5677



5.3440, 3.2255, 0.0000



0.0289, 3.2255, 6.3738

Complementary

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



7.6398, 3.2255, 32.5677



18.0518, 27.4567, 4.3482

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.



0.1492, 3.2255, 0.2580



7.6398, 3.2255, 32.5677



2.3262, 3.2255, 0.0000

Square

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



7.6398, 3.2255, 32.5677



9.1613, 3.2255, 0.0000



0.8196, 3.2255, 0.0000



0.4908, 3.2255, 23.6878

Rectangle

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



7.6398, 3.2255, 32.5677



11.7741, 3.2255, 3.7969



0.8196, 3.2255, 0.0000



0.0026, 3.2255, 3.2417

Sweetspot

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



7.6402, 3.2257, 32.5678



36.8645, 32.6467, 63.1019



11.2572, 12.6399, 34.1943



7.7981, 6.7000, 14.1259



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



7.6402, 3.2257, 32.5678



13.6828, 5.7590, 59.1339



15.6353, 7.3474, 32.9420



6.4840, 6.5380, 8.3269



6.1574, 2.6032, 26.0852



0.1526, 0.0685, 0.4684

Inverse Universe

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



16.6501, 8.2889, 14.0851



30.1402, 15.0141, 25.0724



12.6615, 24.6779, 4.0960



6.8095, 6.7167, 7.8478



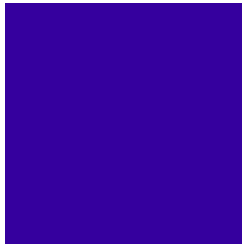
13.3538, 6.6461, 11.3798



0.2576, 0.1264, 0.3028

Previews

White Background



This preview shows how the XYZ color 7.6398, 3.2255, 32.5677 looks on a white background.

Color Contrast Check

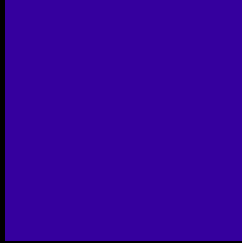
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.6398, 3.2255, 32.5677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

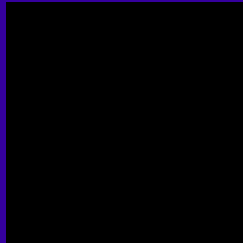
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.6398, 3.2255, 32.5677

Background



This preview shows how black text looks on a background with the XYZ color 7.6398, 3.2255, 32.5677.



This preview shows how white text looks on a background with the XYZ color 7.6398, 3.2255,

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

7.6398, 3.2255, 32.5677

Protanopia

3.9348, 3.5387, 14.6630

Deuteranopia

3.2980, 3.5051, 10.6279



Tritanopia

2.4612, 3.4868, 5.2459

Trichromacy



Original Color

7.6398, 3.2255, 32.5677

Protanomaly

4.5783, 2.7325, 20.0248

Deuteranomaly

4.0220, 2.6015, 16.8131

Tritanomaly

3.1663, 2.4065, 11.8529

Monochromacy



Original Color

7.6398, 3.2255, 32.5677

Achromatopsia

1.5204, 1.5996, 1.7420

Achromatomaly

2.6126, 1.6097, 7.5701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.6398, 3.2255, 32.5677 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(53, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(53, 0, 158)  
}
```

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(53, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 7.6398, 3.2255, 32.5677 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(53, 0, 158) }
```


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

```
.border{ border-color:rgb(53, 0, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 0, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(53, 0, 158)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.6398, 3.2255, 32.5677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 0, 158) }
```

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

```
.background{ background-color: rgb(53, 0,  
158) }
```

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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