

Converting Colors

XYZ(15.7666, 7.2233, 41.6116)

Have a look what the booklet for
XYZ(15.7666, 7.2233, 41.6116)
contains.

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Color

**XYZ(15.7216, 7.1995,
41.6353)**

Conversions

Conversions Part 1

Format	Color
Hex	7900B0
RGB	121, 0, 176
RGB Percent	47%, 0%, 69%
CMY	0.5255, 1.0000, 0.3098
CMYK	0.31, 1.00, 0.00, 0.31
HSL	281°, 100%, 35%
HSV	281°, 100%, 69%
XYZ	15.7216, 7.1995, 41.6353
YIQ	56.2430, 15.6200, 80.3880

Conversions

Conversions Part 2

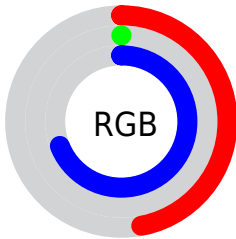
Format	Color
R_{YB}	121, 0, 176
Decimal	7930032
CIE _{Lab}	32.26, 66.46, -61.96
CIE _{LCh}	32, 90.867, 317.006
Yxy	7.1995, 0.2435, 0.1115
Android (android.graphics.Color)	4286120112 (0xFF7900B0)
YUV	56.2430, 59.0402, 56.7919
Hunter-Lab	26.8319, 57.6327, -73.2186

Details

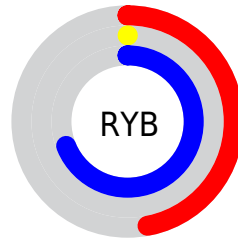
The XYZ color **15.7216, 7.1995, 41.6353** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **17.1009, 31.8630, 5.2489**, and the grayscale version is **3.7154, 3.9089, 4.2568**.

A 20% lighter version of the original color is **35.7472, 20.3645, 79.1374**, and **5.5628, 2.4619, 18.5944** is the 20% darker color. If you saturate the color by 10%, you get **15.7220, 7.1997, 41.6355**, and if you desaturate by 10%, it is **16.7248, 8.0283, 41.7425**.

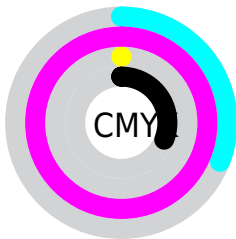
Distribution



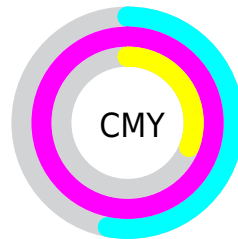
- Red (47%)
- Green (0%)
- Blue (69%)



- Red (47%)
- Yellow (0%)
- Blue (69%)



- Cyan (31%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)



- Cyan (53%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7216, 7.1995, 41.6353 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 15.7216, 7.1995, 41.6353 by changing the saturation by 10% instead.

■ 15.7216, 7.1995,
41.6353

■ 15.7216, 7.1995,
41.6353

220.9961,
169.3112, 368.7239

■ 9.4170, 3.5872,
28.4924

■ 35.6756, 20.3734,
78.9115

■ 5.0734, 1.4454,
18.4549

■ 50.0556, 30.7038,
103.8819

■ 2.3256, 0.2498,
11.1043

■ 67.8582, 44.0424,
133.6318

■ 0.8077, 0.0000,
6.0220

■ 89.4486, 60.7735,
168.5798

■ 0.0000, 0.0000,
2.7894

■ 115.1923, 81.2815,
209.1445


■ 0.0000, 0.0000,
0.9881


■ 145.4545,


■ 0.0000, 0.0000,


105.9509, 255.7444

0.0000


 180.6007,
135.1660, 308.7980

 15.7216, 7.1995,
41.6353


 15.7216, 7.1995,
41.6353


 15.7220, 7.1997,
41.6355

 16.7248, 8.0283,
41.7425

 17.9595, 9.2542,
41.9141

 19.4995, 11.0236,
42.1745

 21.3798, 13.4051,
42.5350

 23.6300, 16.4570,
43.0055

■ 26.2762, 20.2308,
43.5945

■ 29.3421, 24.7727,
44.3096

■ 32.8493, 30.1252,
45.1578

■ 36.8179, 36.3274,
46.1458

Harmonies

Analogous

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



9.8153, 7.1995, 66.9805



15.7216, 7.1995, 41.6353



19.8288, 7.1995, 15.1481

Triad

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



15.7216, 7.1995, 41.6353



9.0639, 7.1995, 0.0000



1.3507, 7.1995, 18.0059

Complementary

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



15.7216, 7.1995, 41.6353



17.1009, 31.8630, 5.2489

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.



1.2964, 7.1995, 3.3661



15.7216, 7.1995, 41.6353



4.5408, 7.1995, 0.0000

Square

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



15.7216, 7.1995, 41.6353



14.9611, 7.1995, 0.0000



2.1561, 7.1995, 0.0000



2.3683, 7.1995, 45.6274

Rectangle

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



15.7216, 7.1995, 41.6353



20.1613, 7.1995, 5.1050



2.1561, 7.1995, 0.0000



1.2434, 7.1995, 11.4078

Sweetspot

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



15.7220, 7.1997, 41.6355



52.9048, 44.4604, 80.2886



9.2378, 5.9372, 41.7335



10.9532, 8.8707, 17.2792



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.7220, 7.1997, 41.6355



28.2708, 12.9323, 75.5014



22.9183, 11.2356, 27.2397



8.5865, 8.5109, 10.6965



11.5977, 5.3146, 30.5516



0.4217, 0.1965, 0.9639

Inverse Universe

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



18.5941, 9.5060, 4.4691



33.6333, 17.2046, 7.6306



15.7898, 31.1565, 6.5672



8.6021, 8.5476, 9.4032



13.6665, 6.9841, 3.4037



0.4570, 0.2305, 0.2492

Previews

White Background



This preview shows how the XYZ color 15.7216, 7.1995, 41.6353 looks on a white background.

Color Contrast Check

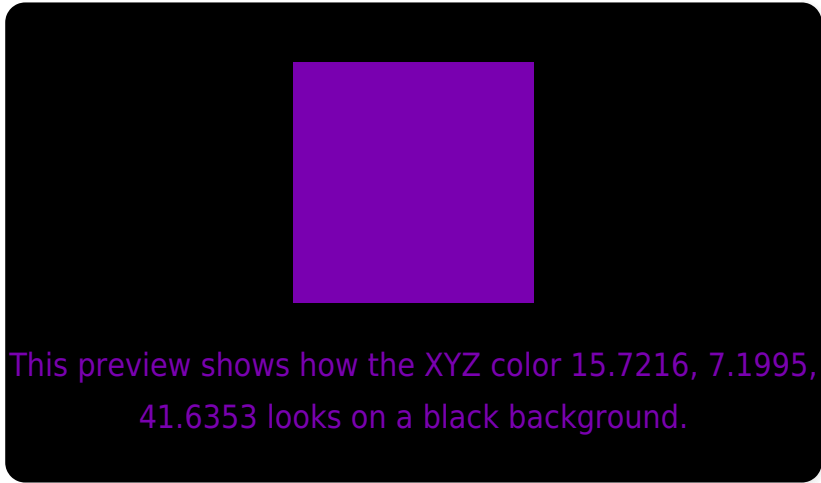
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7216, 7.1995, 41.6353

Background



This preview shows how black text looks on a background with the XYZ color 15.7216, 7.1995, 41.6353.



This preview shows how white text looks on a background with the XYZ color 15.7216, 7.1995,

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

15.7216, 7.1995, 41.6353

Protanopia

8.9296, 7.7069, 34.2747

Deuteranopia

7.5299, 7.7198, 25.1380



Tritanopia

8.9577, 7.6342, 7.4800

Trichromacy



Original Color

15.7216, 7.1995, 41.6353

Protanomaly

8.9786, 5.4026, 36.6460

Deuteranomaly

7.9342, 5.2585, 30.3026

Tritanomaly

10.2003, 6.2641, 15.7104

Monochromacy



Original Color

15.7216, 7.1995, 41.6353

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.2394, 3.8873, 12.4781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7216, 7.1995, 41.6353 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(121, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(121, 0, 176)  
}
```

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(121, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 15.7216, 7.1995, 41.6353 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(121, 0, 176) }
```


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

```
.border{ border-color:rgb(121, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(121, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(121, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7216, 7.1995, 41.6353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 0, 176) }
```

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

```
.background{ background-color: rgb(121, 0,  
176) }
```

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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