

Converting Colors

XYZ(11.7493, 6.0047, 28.3257)

Have a look what the booklet for
XYZ(11.7493, 6.0047, 28.3257)
contains.

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Color

**XYZ(11.6993, 5.9712,
28.1397)**

Conversions

Conversions Part 1	
Format	Color
Hex	6B1A93
RGB	107, 26, 147
RGB Percent	42%, 10%, 58%
CMY	0.5804, 0.8980, 0.4235
CMYK	0.27, 0.82, 0.00, 0.42
HSL	280°, 70%, 34%
HSV	280°, 82%, 58%
XYZ	11.6993, 5.9712, 28.1397
YIQ	64.0130, 9.4350, 54.8030

Conversions

Conversions Part 2

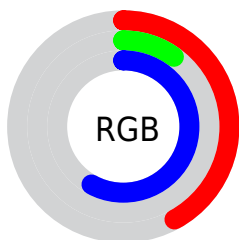
Format	Color
RYB	107, 26, 147
Decimal	7019155
CIELab	29.34, 53.29, -49.22
CIELCh	29, 72.544, 317.272
Yxy	5.9712, 0.2554, 0.1303
Android (android.graphics.Color)	4285209235 (0xFF6B1A93)
YUV	64.0130, 40.9126, 37.6996
Hunter-Lab	24.4360, 42.6978, -51.1711

Details

The XYZ color **11.6993, 5.9712, 28.1397** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **12.8670, 22.1004, 4.5651**, and the grayscale version is **4.8152, 5.0660, 5.5168**.

A 20% lighter version of the original color is **28.5034, 17.8305, 57.8165**, and **3.5338, 1.5831, 10.9458** is the 20% darker color. If you saturate the color by 10%, you get **10.8853, 5.1861, 28.0312**, and if you desaturate by 10%, it is **12.7137, 7.1076, 28.3057**.

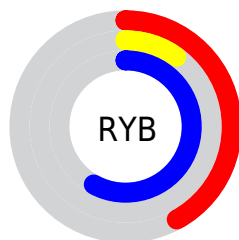
Distribution



Red (42%)

Green (10%)

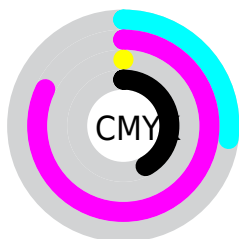
Blue (58%)



Red (42%)

Yellow (10%)

Blue (58%)

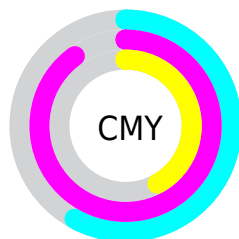


Cyan (27%)

Magenta (82%)

Yellow (0%)

Black (42%)



Cyan (58%)


Magenta (90%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 11.6993, 5.9712, 28.1397 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 11.6993, 5.9712, 28.1397 by changing the saturation by 10% instead.

 11.6993, 5.9712,
28.1397


 11.6993, 5.9712,
28.1397


 196.2151,
158.8187, 307.0668


 6.6100, 2.8276,
18.1910


 28.5679, 17.8713,
57.7332


 3.2636, 1.0424,
10.9164


 41.0779, 27.3967,
78.2151


 1.2946, 0.0000,
5.8972


 56.7921, 39.8180,
103.0451

 0.1792, 0.0000,
2.7149

 76.0761, 55.5197,
132.6419


 0.0000, 0.0000,
0.9509

 99.2950, 74.8863,
167.4239

 0.0000, 0.0000,
0.0000

 126.8142, 98.3020,


207.8097

 158.9991,
126.1513, 254.2178


 11.6993, 5.9712,
28.1397


 11.6993, 5.9712,
28.1397


 10.8853, 5.1861,
28.0312


 12.7137, 7.1076,
28.3057

 10.3475, 4.7259,
27.9707

 13.9505, 8.6400,
28.5363

 15.4298, 10.6067,
28.8379

 17.1686, 13.0416,
29.2163

 19.1825, 15.9750,
29.6763

■ 21.4857, 19.4345,
30.2227

■ 24.0914, 23.4457,
30.8596

■ 27.0119, 28.0326,
31.5910

■ 30.2586, 33.2178,
32.4207

Harmonies

Analogous

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



7.7664, 5.9712, 43.6273



11.6993, 5.9712, 28.1397



14.3420, 5.9712, 11.3604

Triad

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



11.6993, 5.9712, 28.1397



7.1849, 5.9712, 0.0000



1.5267, 5.9712, 13.4929

Complementary

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



11.6993, 5.9712, 28.1397



12.8670, 22.1004, 4.5651

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.



1.4733, 5.9712, 3.2735



11.6993, 5.9712, 28.1397



3.9981, 5.9712, 0.0000

Square

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



11.6993, 5.9712, 28.1397



11.1346, 5.9712, 0.0000



2.1836, 5.9712, 0.0953



2.3765, 5.9712, 30.9223

Rectangle

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



11.6993, 5.9712, 28.1397



14.5367, 5.9712, 4.4689



2.1836, 5.9712, 0.0953



1.4312, 5.9712, 9.0726

Sweetspot

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



11.6996, 5.9714, 28.1398



37.0990, 32.7147, 53.7938



7.6604, 6.2619, 28.4088



8.1675, 7.0152, 12.2084



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.6996, 5.9714, 28.1398



18.4541, 8.4547, 50.0939



16.2221, 8.4699, 20.8018



5.8509, 5.8141, 7.2836



8.9975, 4.1109, 24.2503



0.1414, 0.0664, 0.2983

Inverse Universe

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



13.3855, 7.3353, 5.8647



22.5093, 11.5262, 5.9640



11.3563, 21.2858, 6.1123



5.8752, 5.8451, 6.4487



10.9154, 5.5712, 3.0354



0.1462, 0.0732, 0.1033

Previews

White Background



This preview shows how the XYZ color 11.6993, 5.9712, 28.1397 looks on a white background.

Color Contrast Check

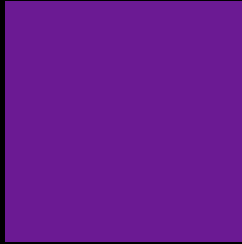
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6993, 5.9712, 28.1397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

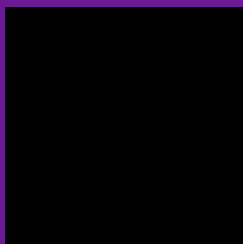
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6993, 5.9712, 28.1397

Background



This preview shows how black text looks on a background with the XYZ color 11.6993, 5.9712, 28.1397.



This preview shows how white text looks on a background with the XYZ color 11.6993, 5.9712,

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

11.6993, 5.9712, 28.1397

Protanopia

7.0250, 6.1174, 26.7971

Tritanopia

7.2682, 6.1105, 5.9506

Trichromacy



Original Color
11.6993, 5.9712, 28.1397

Protanomaly
7.1438, 4.9912, 26.9724

Tritanomaly
8.2681, 5.5928, 11.4702

Monochromacy



Original Color
11.6993, 5.9712, 28.1397

Achromatopsia
4.8732, 5.1269, 5.5832

Achromatomaly
6.4692, 4.7948, 11.1742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6993, 5.9712, 28.1397 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(107, 26, 147)` looks like.

```
.text, #text, p{  
    color:rgb(107, 26, 147)  
}
```

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(107, 26, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 26, 147) }
```

Border

The CSS property to change the border of an element to XYZ 11.6993, 5.9712, 28.1397 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(107, 26, 147) }
```

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

```
.border{ border-color:rgb(107, 26, 147) }
```

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

Here you see how a box with a 4 pixel rgb(107, 26, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 26, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 26, 147);  
box-shadow:4px 4px 4px 4px rgb(107, 26,  
147) }
```


Background

The CSS property to change the background color of an element to XYZ 11.6993, 5.9712, 28.1397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 26, 147) }
```

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

```
.background{ background-color: rgb(107, 26,  
147) }
```

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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