

Converting Colors

XYZ(20.4326, 27.1048, 1.9374)

Have a look what the booklet for
XYZ(20.4326, 27.1048, 1.9374)
contains.

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Color

**XYZ(20.7395, 27.1198,
4.1416)**

Conversions

Conversions Part 1

Format	Color
Hex	859700
RGB	133, 151, 0
RGB Percent	52%, 59%, 0%
CMY	0.4784, 0.4078, 0.9999
CMYK	0.12, 0.00, 1.00, 0.41
HSL	67°, 100%, 30%
HSV	67°, 100%, 59%
XYZ	20.7395, 27.1198, 4.1416
YIQ	128.4040, 37.7430, -50.7770

Conversions

Conversions Part 2

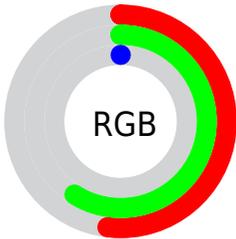
Format	Color
RYB	0, 151, 18
Decimal	8754944
CIELab	59.09, -22.63, 62.20
CIElCh	59, 66.183, 109.991
Yxy	27.1198, 0.3988, 0.5215
Android (android.graphics.Color)	4286945024 (0xFF859700)
YUV	128.4040, -63.3032, 4.0307
Hunter-Lab	52.0767, -20.0467, 31.7384

Details

The XYZ color **20.7395, 27.1198, 4.1416** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.8362, 2.3636, 29.4285**, and the grayscale version is **20.8638, 21.9503, 23.9039**.

A 20% lighter version of the original color is **44.2039, 55.0647, 14.2600**, and **7.7816, 10.7766, 1.6700** is the 20% darker color. If you saturate the color by 10%, you get **20.7398, 27.1209, 4.1418**, and if you desaturate by 10%, it is **21.1138, 27.3037, 4.6135**.

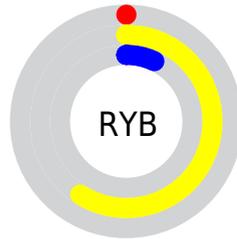
Distribution



Red (52%)

Green (59%)

Blue (0%)



Red (0%)

Yellow (59%)

Blue (7%)

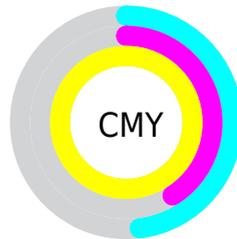


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (48%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7395, 27.1198, 4.1416 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 20.7395, 27.1198, 4.1416 by changing the saturation by 10% instead.

■ 20.7395, 27.1198,
4.1416

■ 20.7395, 27.1198,
4.1416

248.6488,
288.2367, 149.7865

■ 13.0451, 17.6632,
1.7033

■ 44.1481, 55.0760,
14.3350

■ 7.5368, 10.7085,
0.3630

■ 60.5931, 74.3445,
22.9273

■ 3.8493, 5.8712,
0.0000

■ 80.6856, 97.6524,
34.4080

■ 1.6172, 2.7669,
0.0000

■ 104.7910,
125.3840, 49.1956

■ 0.4036, 1.0113,
0.0000

■ 133.2747,
157.9239, 67.7087

■ 0.0000, 0.0000,
0.0000

■ 166.5019,

195.6564, 90.3659

 204.8382,
238.9659, 117.5856

 20.7395, 27.1198,
4.1416

 20.7395, 27.1198,
4.1416

 20.7398, 27.1209,
4.1418

 21.1138, 27.3037,
4.6135

 21.5555, 27.5140,
5.4174

 22.0948, 27.7640,
6.7090

 22.7432, 28.0582,
8.5499

 23.5108, 28.4006,
10.9923

■ 24.4063, 28.7948,
14.0826

■ 25.4378, 29.2440,
17.8625

■ 26.6125, 29.7510,
22.3703

■ 27.9372, 30.3186,
27.6415

Harmonies

Analogous

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



28.6239, 27.1198, 3.6151



20.7395, 27.1198, 4.1416



15.4624, 27.1198, 8.9338

Triad

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



20.7395, 27.1198, 4.1416



16.8879, 27.1198, 79.5738



44.6961, 27.1198, 38.1204

Complementary

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



20.7395, 27.1198, 4.1416



5.8362, 2.3636, 29.4285

Split Complementary

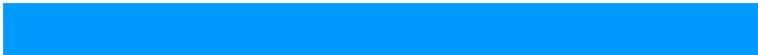
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.8850, 27.1198, 69.2639



20.7395, 27.1198, 4.1416



23.1246, 27.1198, 100.3505

Square

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



20.7395, 27.1198, 4.1416



13.5887, 27.1198, 47.8755



31.5695, 27.1198, 95.8107



43.6761, 27.1198, 16.5943

Rectangle

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



20.7395, 27.1198, 4.1416



13.5898, 27.1198, 16.5852



31.5695, 27.1198, 95.8107



43.6736, 27.1198, 47.8941

Sweetspot

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



20.7401, 27.1210, 4.1422



45.4336, 52.3174, 31.5383



12.9737, 7.0004, 0.6678



10.1581, 11.8180, 6.5438



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



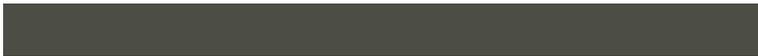
20.7401, 27.1210, 4.1422



37.0385, 48.5150, 7.4122



12.8061, 23.0309, 3.7709



6.6364, 7.1855, 6.6430



17.6585, 23.0792, 3.5240



0.2818, 0.3542, 0.0535

Inverse Universe

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



5.8362, 2.3636, 29.4285



10.3666, 4.1886, 52.6958



10.1132, 4.5685, 29.6286



5.9495, 6.0599, 7.7851



4.9783, 2.0175, 25.0347



0.0901, 0.0382, 0.3750

Previews

White Background



This preview shows how the XYZ color 20.7395, 27.1198, 4.1416 looks on a white background.

Color Contrast Check

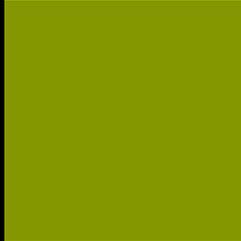
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.7395, 27.1198, 4.1416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

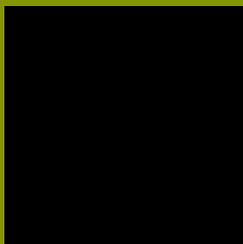
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7395, 27.1198, 4.1416

Background



This preview shows how black text looks on a background with the XYZ color 20.7395, 27.1198, 4.1416.



This preview shows how white text looks on a background with the XYZ color 20.7395, 27.1198,

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

20.7395, 27.1198, 4.1416

Protanopia

24.1702, 26.8196, 3.9028

Deuteranopia

27.4408, 26.9862, 4.7399



Tritanopia

26.4656, 26.9198, 33.0793

Trichromacy



Original Color

20.7395, 27.1198, 4.1416

Protanomaly

22.7031, 26.7348, 3.9638

Deuteranomaly

24.5263, 26.7716, 4.4051

Tritanomaly

22.8998, 26.3665, 14.9486

Monochromacy



Original Color

20.7395, 27.1198, 4.1416

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.4953, 22.9482, 11.1865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7395, 27.1198, 4.1416 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(133, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 151, 0)  
}
```

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(133, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 151, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.7395, 27.1198, 4.1416 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(133, 151, 0) }
```


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

```
.border{ border-color:rgb(133, 151, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 151, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 151,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7395, 27.1198, 4.1416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 151, 0) }
```

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

```
.background{ background-color: rgb(133,  
151, 0) }
```

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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