

Converting Colors

XYZ(16.0530, 6.9356, 78.7187)

Have a look what the booklet for
XYZ(16.0530, 6.9356, 78.7187)
contains.

XYZ(16.1206, 6.9496, 79.0890)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.1206, 6.9496,
79.0890)**

Conversions

Conversions Part 1

Format	Color
Hex	2814EB
RGB	40, 20, 235
RGB Percent	16%, 8%, 92%
CMY	0.8431, 0.9216, 0.0784
CMYK	0.83, 0.91, 0.00, 0.08
HSL	246°, 84%, 50%
HSV	246°, 91%, 92%
XYZ	16.1206, 6.9496, 79.0890
YIQ	50.4900, -57.0950, 71.1050

Conversions

Conversions Part 2

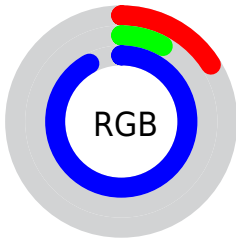
Format	Color
R_{YB}	40, 20, 235
Decimal	2626795
CIE _{Lab}	31.69, 71.20, -97.56
CIE _{LCh}	32, 120.775, 306.124
Yxy	6.9496, 0.1578, 0.0680
Android (android.graphics.Color)	4280816875 (0xFF2814EB)
YUV	50.4900, 90.9634, -9.1997
Hunter-Lab	26.3621, 63.0203, -159.4226

Details

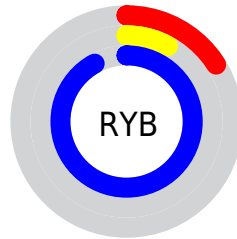
The XYZ color **16.1206, 6.9496, 79.0890** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **57.8502, 73.9099, 11.8783**, and the grayscale version is **2.9920, 3.1478, 3.4280**.

A 20% lighter version of the original color is **29.2318, 17.0288, 96.3539**, and **7.9358, 3.1743, 41.7894** is the 20% darker color. If you saturate the color by 10%, you get **15.3240, 6.1675, 78.9803**, and if you desaturate by 10%, it is **17.8221, 8.7643, 79.3499**.

Distribution



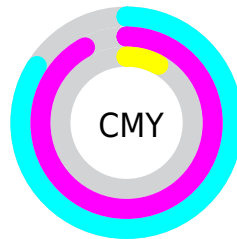
- Red (16%)
- Green (8%)
- Blue (92%)



- Red (16%)
- Yellow (8%)
- Blue (92%)



- Cyan (83%)
- Magenta (91%)
- Yellow (0%)
- Black (8%)



- Cyan (84%)
- Magenta (92%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1206, 6.9496, 79.0890 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 16.1206, 6.9496, 79.0890 by changing the saturation by 10% instead.

■ 16.1206, 6.9496,
79.0890

■ 16.1206, 6.9496,
79.0890

223.3087,
167.2442, 511.4830

■ 9.7009, 3.4306,
58.4472

■ 36.3632, 19.8717,
133.8839

■ 5.2619, 1.3605,
41.7512

■ 50.9168, 30.0437,
168.8742

■ 2.4380, 0.1873,
28.5824

■ 68.9125, 43.2021,
209.4844

■ 0.8641, 0.0000,
18.5223

■ 90.7156, 59.7313,
256.1330

■ 0.0000, 0.0000,
11.1523

■ 116.6913, 80.0157,
309.2387


■ 0.0000, 0.0000,
6.0539


■ 147.2052,

■ 0.0000, 0.0000,


104.4397, 369.2198


2.8086

 182.6226,
133.3878, 436.4951


 0.0000, 0.0000,
0.9977


 0.0000, 0.0000,
0.0000


 16.1206, 6.9496,
79.0890


 16.1206, 6.9496,
79.0890

 15.3240, 6.1675,
78.9803

 17.8221, 8.7643,
79.3499

 20.5376, 11.8339,
79.7993

 24.3963, 16.3335,
80.4644

 29.5074, 22.4101,
81.3679

■ 35.9671, 30.1926,
82.5296

■ 43.8622, 39.7963,
83.9672

■ 53.2724, 51.3266,
85.6968

■ 64.2713, 64.8807,
87.7333

■ 76.9277, 80.5495,
90.0906

Harmonies

Analogous

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



7.9268, 6.9496, 112.7051



16.1206, 6.9496, 79.0890



23.9951, 6.9496, 30.6764

Triad

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



16.1206, 6.9496, 79.0890



12.5272, 6.9496, 0.0000



0.4032, 6.9496, 11.7102

Complementary

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



16.1206, 6.9496, 79.0890



57.8502, 73.9099, 11.8783

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.



0.6387, 6.9496, 0.4024



16.1206, 6.9496, 79.0890



5.4396, 6.9496, 0.0000

Square

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



16.1206, 6.9496, 79.0890



21.1782, 6.9496, 0.0000



1.8447, 6.9496, 0.0000



0.9582, 6.9496, 49.1568

Rectangle

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



16.1206, 6.9496, 79.0890



26.3603, 6.9496, 10.0522



1.8447, 6.9496, 0.0000



0.3931, 6.9496, 5.5293

Sweetspot

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



16.1212, 6.9496, 79.0893



57.5218, 53.6813, 101.9375



40.1179, 55.8152, 87.2565



11.5127, 10.5122, 21.6722



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.



16.1212, 6.9496, 79.0893



18.4209, 7.4112, 95.0674



26.9953, 12.5554, 79.5982



14.3613, 14.6160, 18.9865



8.5744, 3.4562, 43.9582



0.7178, 0.2943, 3.4539

Inverse Universe

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



46.7729, 23.0669, 66.2571



55.6984, 27.0434, 78.0668



36.2125, 62.7553, 10.8657



15.6508, 15.2882, 18.7123



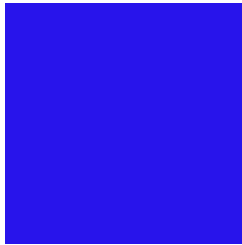
25.7852, 12.5168, 36.2659



2.0424, 0.9899, 2.9409

Previews

White Background



This preview shows how the XYZ color 16.1206, 6.9496, 79.0890 looks on a white background.

Color Contrast Check

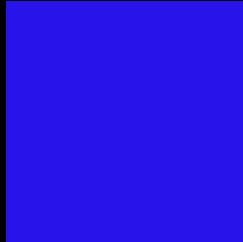
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1206, 6.9496, 79.0890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

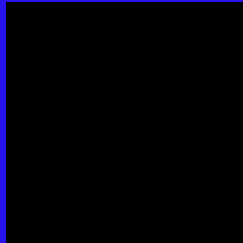
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1206, 6.9496, 79.0890

Background



This preview shows how black text looks on a background with the XYZ color 16.1206, 6.9496, 79.0890.



This preview shows how white text looks on a background with the XYZ color 16.1206, 6.9496,

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

16.1206, 6.9496, 79.0890

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

16.1206, 6.9496, 79.0890

Protanomaly

9.9136, 6.0252, 44.8964

Deuteranomaly

8.5862, 5.7199, 37.2107

Tritanomaly

6.6206, 5.2564, 25.8649

Monochromacy



Original Color

16.1206, 6.9496, 79.0890

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

5.0631, 3.3162, 17.2029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1206, 6.9496, 79.0890 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(40, 20, 235)` looks like.

```
.text, #text, p{  
    color:rgb(40, 20, 235)  
}
```

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(40, 20, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 20, 235) }
```

Border

The CSS property to change the border of an element to XYZ 16.1206, 6.9496, 79.0890 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(40, 20, 235) }
```


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

```
.border{ border-color:rgb(40, 20, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 20, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 20, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 20, 235);  
box-shadow:4px 4px 4px 4px rgb(40, 20,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1206, 6.9496, 79.0890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 20, 235) }
```

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

```
.background{ background-color: rgb(40, 20,  
235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor