

Converting Colors

XYZ(12.7306, 7.1419, 59.4515)

Have a look what the booklet for
XYZ(12.7306, 7.1419, 59.4515)
contains.

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Color

**XYZ(12.8041, 7.1896,
59.7444)**

Conversions

Conversions Part 1

Format	Color
Hex	1335CF
RGB	19, 53, 207
RGB Percent	7%, 21%, 81%
CMY	0.9254, 0.7922, 0.1882
CMYK	0.91, 0.74, 0.00, 0.19
HSL	229°, 83%, 44%
HSV	229°, 91%, 81%
XYZ	12.8041, 7.1896, 59.7444
YIQ	60.3900, -69.6980, 40.6860

Conversions

Conversions Part 2

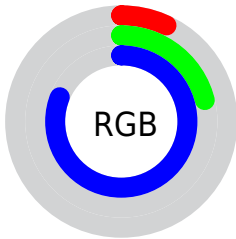
Format	Color
R_{YB}	19, 48, 207
Decimal	1258959
CIE _{Lab}	32.23, 48.41, -80.57
CIE _{LCh}	32, 93.995, 300.997
Yxy	7.1896, 0.1606, 0.0902
Android (android.graphics.Color)	4279449039 (0xFF1335CF)
YUV	60.3900, 72.2787, -36.2990
Hunter-Lab	26.8134, 38.3148, -113.3377

Details

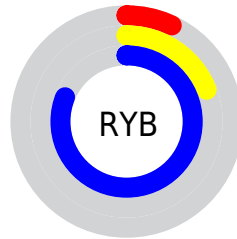
The XYZ color **12.8041, 7.1896, 59.7444** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **40.7997, 43.2119, 6.8077**, and the grayscale version is **4.2598, 4.4816, 4.8805**.

A 20% lighter version of the original color is **28.8880, 19.7155, 96.8906**, and **5.6945, 2.4514, 29.4512** is the 20% darker color. If you saturate the color by 10%, you get **11.9369, 5.8536, 59.5325**, and if you desaturate by 10%, it is **14.3145, 9.3256, 60.0773**.

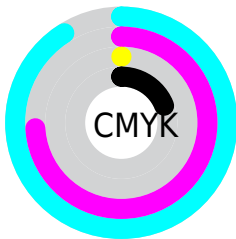
Distribution



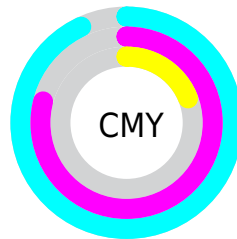
- Red (7%)
- Green (21%)
- Blue (81%)



- Red (7%)
- Yellow (19%)
- Blue (81%)



- Cyan (91%)
- Magenta (74%)
- Yellow (0%)
- Black (19%)



- Cyan (93%)
- Magenta (79%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8041, 7.1896, 59.7444 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 12.8041, 7.1896, 59.7444 by changing the saturation by 10% instead.

■ 12.8041, 7.1896,
59.7444

■ 12.8041, 7.1896,
59.7444

203.3214,
169.2300, 441.4335

■ 7.3699, 3.5810,
42.7887

■ 30.5557, 20.3536,
105.9985

■ 3.7428, 1.4420,
29.3892

■ 43.6038, 30.6778,
136.1341

■ 1.5577, 0.2474,
19.1273

■ 59.9205, 44.0093,
171.4999

■ 0.3646, 0.0000,
11.5846

■ 79.8712, 60.7324,
212.5147

■ 0.0000, 0.0000,
6.3424

■ 103.8214, 81.2317,
259.5969

■ 0.0000, 0.0000,
2.9822

■ 132.1362,

■ 0.0000, 0.0000,

105.8914, 313.1650

1.0856

165.1811,
135.0961, 373.6377

■ 0.0000, 0.0000,
0.0000

■ 12.8041, 7.1896,
59.7444

■ 12.8041, 7.1896,
59.7444

■ 11.9369, 5.8536,
59.5325

■ 14.3145, 9.3256,
60.0773

■ 16.5534, 12.2818,
60.5299

■ 19.6046, 16.1355,
61.1130

■ 23.5399, 20.9543,
61.8357

■ 28.4225, 26.7991,
62.7065

■ 34.3101, 33.7256,
63.7331

■ 41.2555, 41.7856,
64.9228

■ 49.3077, 51.0273,
66.2822

■ 58.5127, 61.4961,
67.8177

Harmonies

Analogous

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



6.9960, 7.1896, 75.6570



12.8041, 7.1896, 59.7444



18.5670, 7.1896, 29.0392

Triad

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



12.8041, 7.1896, 59.7444



12.3843, 7.1896, 0.0000



1.1244, 7.1896, 8.2992

Complementary

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



12.8041, 7.1896, 59.7444



40.7997, 43.2119, 6.8077

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.



1.5102, 7.1896, 0.6993



12.8041, 7.1896, 59.7444



6.6735, 7.1896, 0.0000

Square

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



12.8041, 7.1896, 59.7444



18.2548, 7.1896, 0.5013



3.0855, 7.1896, 0.0000



1.5699, 7.1896, 30.9984

Rectangle

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



12.8041, 7.1896, 59.7444



20.6835, 7.1896, 12.7600



3.0855, 7.1896, 0.0000



1.1586, 7.1896, 4.3659

Sweetspot

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



12.8046, 7.1897, 59.7446



58.6658, 58.3372, 102.7759



30.0803, 47.7639, 46.9356



11.7752, 11.5756, 21.8636



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.



12.8046, 7.1897, 59.7446



19.0302, 9.1803, 95.3767



14.6833, 6.6149, 59.5347



11.3340, 11.7583, 14.9159



7.5707, 3.7880, 37.5246



0.4768, 0.3188, 2.1160

Inverse Universe

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



26.6081, 13.9892, 4.6656



41.7347, 21.4579, 4.5353



34.5489, 50.9201, 8.6250



11.8947, 11.8426, 12.7215



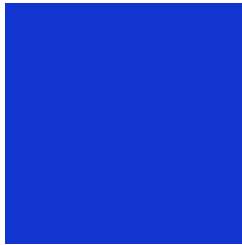
16.4521, 8.4537, 2.0208



0.9469, 0.4835, 0.2551

Previews

White Background



This preview shows how the XYZ color 12.8041, 7.1896, 59.7444 looks on a white background.

Color Contrast Check

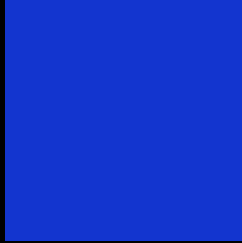
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8041, 7.1896, 59.7444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

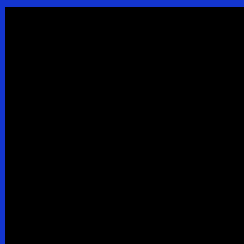
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8041, 7.1896, 59.7444

Background



This preview shows how black text looks on a background with the XYZ color 12.8041, 7.1896, 59.7444.



This preview shows how white text looks on a background with the XYZ color 12.8041, 7.1896,

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

12.8041, 7.1896, 59.7444

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

4.9318, 7.0452, 10.3325

Trichromacy



Original Color

12.8041, 7.1896, 59.7444

Protanomaly

9.5787, 6.9587, 40.3735

Deuteranomaly

8.3873, 6.7700, 33.2124

Tritanomaly

6.5669, 6.4490, 22.3714

Monochromacy



Original Color

12.8041, 7.1896, 59.7444

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

5.5260, 4.6764, 16.2342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8041, 7.1896, 59.7444 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(19, 53, 207)` looks like.

```
.text, #text, p{  
    color:rgb(19, 53, 207)  
}
```

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(19, 53, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 53, 207) }
```

Border

The CSS property to change the border of an element to XYZ 12.8041, 7.1896, 59.7444 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(19, 53, 207) }
```


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

```
.border{ border-color:rgb(19, 53, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 53, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 53, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 53, 207);  
box-shadow:4px 4px 4px 4px rgb(19, 53,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8041, 7.1896, 59.7444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 53, 207) }
```

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

```
.background{ background-color: rgb(19, 53,  
207) }
```

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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