

Converting Colors

XYZ(13.0689, 12.6466, 3.0212)

Have a look what the booklet for
XYZ(13.0689, 12.6466, 3.0212)
contains.

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Color

**XYZ(13.1521, 12.6935,
3.0532)**

Conversions

Conversions Part 1

Format	Color
Hex	805E1F
RGB	128, 94, 31
RGB Percent	50%, 37%, 12%
CMY	0.4980, 0.6314, 0.8784
CMYK	0.00, 0.27, 0.76, 0.50
HSL	39°, 61%, 31%
HSV	39°, 76%, 50%
XYZ	13.1521, 12.6935, 3.0532
YIQ	96.9840, 40.4870, -12.3850

Conversions

Conversions Part 2

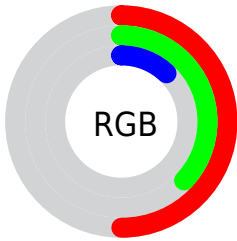
Format	Color
R_{YB}	83, 128, 31
Decimal	8412703
CIE Lab	42.30, 7.33, 39.75
CIE LCh	42, 40.423, 79.549
Yxy	12.6935, 0.4551, 0.4392
Android (android.graphics.Color)	4286602783 (0xFF805E1F)
YUV	96.9840, -32.5301, 27.2010
Hunter-Lab	35.6279, 3.5446, 19.8586

Details

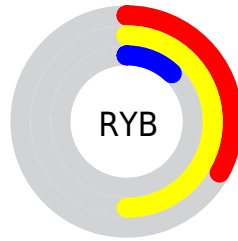
The XYZ color **13.1521, 12.6935, 3.0532** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.3516, 5.6302, 21.1739**, and the grayscale version is **11.4291, 12.0243, 13.0944**.

A 20% lighter version of the original color is **31.1517, 30.7014, 11.6812**, and **3.9586, 3.6098, 0.4881** is the 20% darker color. If you saturate the color by 10%, you get **12.6285, 11.8647, 2.2055**, and if you desaturate by 10%, it is **13.7666, 13.5968, 4.2622**.

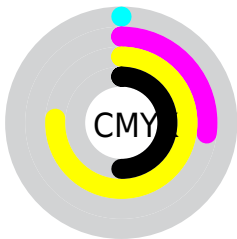
Distribution



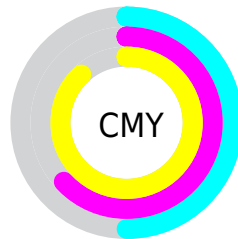
- Red (50%)
- Green (37%)
- Blue (12%)



- Red (33%)
- Yellow (50%)
- Blue (12%)



- Cyan (0%)
- Magenta (27%)
- Yellow (76%)
- Black (50%)



- Cyan (50%)
- Magenta (63%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1521, 12.6935, 3.0532 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 13.1521, 12.6935, 3.0532 by changing the saturation by 10% instead.

■ 13.1521, 12.6935,
3.0532

■ 13.1521, 12.6935,
3.0532

205.5081,
208.9439, 137.0353

■ 7.6111, 7.2178,
1.1219

■ 31.1758, 30.7520,
11.7594

■ 3.8968, 3.5987,
0.0000

■ 44.3891, 44.1037,
19.3714

■ 1.6439, 1.4517,
0.0000

■ 60.8906, 60.8495,
29.7140

■ 0.4208, 0.2544,
0.0000

■ 81.0457, 81.3737,
43.2058

■ 0.0000, 0.0000,
0.0000

■ 105.2196,
106.0609, 60.2653

■ 133.7777,

135.2954, 81.3110

167.0855,
169.4616, 106.7615

13.1521, 12.6935,
3.0532

13.1521, 12.6935,
3.0532

12.6285, 11.8647,
2.2055

13.7666, 13.5968,
4.2622

12.1826, 11.1029,
1.6561

14.4785, 14.5763,
5.8694

12.0059, 10.7968,
1.4512

15.2947, 15.6358,
7.9077

16.2212, 16.7783,
10.4065

17.2632, 18.0066,
13.3926

■ 18.4260, 19.3231,
16.8906

■ 19.7140, 20.7303,
20.9236

■ 21.1319, 22.2305,
25.5131

■ 22.6836, 23.8259,
30.6796

Harmonies

Analogous

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



16.2503, 12.6935, 4.6192



13.1521, 12.6935, 3.0532



10.2196, 12.6935, 3.3102

Triad

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



13.1521, 12.6935, 3.0532



7.3677, 12.6935, 20.1851



17.0599, 12.6935, 27.7081

Complementary

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



13.1521, 12.6935, 3.0532



6.3516, 5.6302, 21.1739

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.



14.1197, 12.6935, 36.2422



13.1521, 12.6935, 3.0532



8.6678, 12.6935, 30.7892

Square

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



13.1521, 12.6935, 3.0532



7.1970, 12.6935, 11.0115



11.0391, 12.6935, 37.5595



18.7441, 12.6935, 17.0719

Rectangle

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



13.1521, 12.6935, 3.0532



8.7243, 12.6935, 4.5384



11.0391, 12.6935, 37.5595



16.1648, 12.6935, 31.0781

Sweetspot

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



13.1524, 12.6941, 3.0534



30.8368, 32.2116, 24.8859



10.3923, 5.9693, 5.8469



7.0778, 7.3782, 5.4080



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.1524, 12.6941, 3.0534



21.6515, 19.8990, 3.1486



15.0455, 19.1865, 4.2068



4.5424, 4.7736, 4.6021



11.9061, 10.7085, 1.4394



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.3516, 5.6302, 21.1739



9.1096, 6.9528, 36.8182



5.4222, 3.0726, 20.7292



4.2226, 4.4392, 5.4476



4.7899, 3.3983, 20.6534



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.1521, 12.6935, 3.0532 looks on a white background.

Color Contrast Check

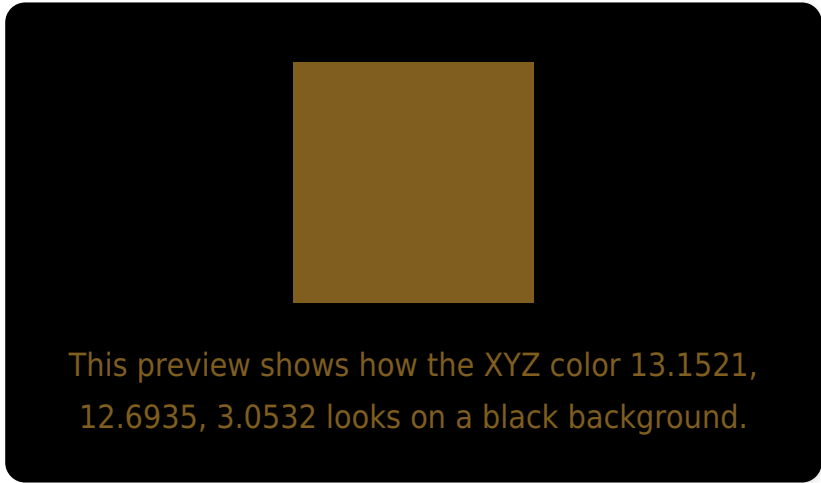
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 13.1521, 12.6935, 3.0532

Background



This preview shows how black text looks on a background with the XYZ color 13.1521, 12.6935, 3.0532.



This preview shows how white text looks on a background with the XYZ color 13.1521, 12.6935,

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

13.1521, 12.6935, 3.0532

Protanopia

11.5138, 12.6689, 3.2773

Deuteranopia

12.9437, 12.7190, 3.0691



Tritanopia

15.0710, 12.7112, 12.4857

Trichromacy



Original Color

13.1521, 12.6935, 3.0532

Protanomaly

12.0996, 12.6912, 3.1784

Deuteranomaly

13.0919, 12.7954, 3.0761

Tritanomaly

14.1859, 12.6055, 7.8163

Monochromacy



Original Color

13.1521, 12.6935, 3.0532

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5698, 12.0349, 8.0165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1521, 12.6935, 3.0532 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(128, 94, 31)` looks like.

```
.text, #text, p{  
    color:rgb(128, 94, 31)  
}
```

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(128, 94, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 94, 31) }
```

Border

The CSS property to change the border of an element to XYZ 13.1521, 12.6935, 3.0532 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(128, 94, 31) }
```


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

```
.border{ border-color:rgb(128, 94, 31) }
```

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

Here you see how a box with a 4 pixel rgb(128, 94, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 94, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 94, 31);  
box-shadow:4px 4px 4px 4px rgb(128, 94,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1521, 12.6935, 3.0532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 94, 31) }
```

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

```
.background{ background-color: rgb(128, 94,  
31) }
```

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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