

Converting Colors

XYZ(12.9105, 6.1217, 41.5755)

Have a look what the booklet for
XYZ(12.9105, 6.1217, 41.5755)
contains.

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Color

**XYZ(12.9105, 6.1217,
41.5754)**

Conversions

Conversions Part 1

Format	Color
Hex	6014B0
RGB	96, 20, 176
RGB Percent	38%, 8%, 69%
CMY	0.6235, 0.9216, 0.3098
CMYK	0.45, 0.89, 0.00, 0.31
HSL	269°, 80%, 38%
HSV	269°, 89%, 69%
XYZ	12.9105, 6.1217, 41.5754
YIQ	60.5080, -4.7800, 64.6280

Conversions

Conversions Part 2

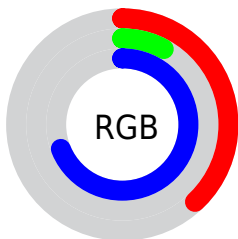
Format	Color
R_{YB}	96, 20, 176
Decimal	6296752
CIE _{Lab}	29.72, 59.96, -66.27
CIE _{LCh}	30, 89.375, 312.139
Yxy	6.1217, 0.2130, 0.1010
Android (android.graphics.Color)	4284486832 (0xFF6014B0)
YUV	60.5080, 56.9376, 31.1265
Hunter-Lab	24.7421, 49.8433, -82.3087

Details

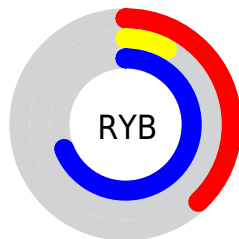
The XYZ color **12.9105, 6.1217, 41.5754** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **20.9067, 33.8103, 6.0859**, and the grayscale version is **4.2894, 4.5128, 4.9145**.

A 20% lighter version of the original color is **30.7588, 18.2020, 78.9830**, and **4.1085, 1.7122, 18.5263** is the 20% darker color. If you saturate the color by 10%, you get **11.7910, 5.2119, 41.4589**, and if you desaturate by 10%, it is **14.3459, 7.5003, 41.7660**.

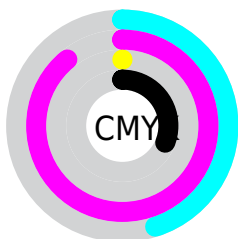
Distribution



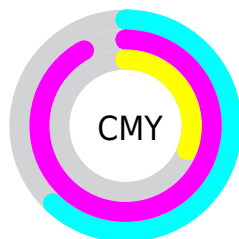
- Red (38%)
- Green (8%)
- Blue (69%)



- Red (38%)
- Yellow (8%)
- Blue (69%)



- Cyan (45%)
- Magenta (89%)
- Yellow (0%)
- Black (31%)



- Cyan (62%)
- Magenta (92%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9105, 6.1217, 41.5754 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 12.9105, 6.1217, 41.5754 by changing the saturation by 10% instead.

■ 12.9105, 6.1217,
41.5754

■ 12.9105, 6.1217,
41.5754

203.9925,
160.1523, 368.4674

■ 7.4435, 2.9192,
28.4459

■ 30.7456, 18.1831,
78.8197

■ 3.7898, 1.0897,
18.4201

■ 43.8444, 27.8108,
103.7716

■ 1.5839, 0.0000,
11.0794

■ 60.2179, 40.3491,
133.5014

■ 0.3819, 0.0000,
6.0055

■ 80.2313, 56.1823,
168.4276

■ 0.0000, 0.0000,
2.7796

■ 104.2502, 75.6948,
208.9688


■ 0.0000, 0.0000,
0.9832


■ 132.6398, 99.2710,


■ 0.0000, 0.0000,


255.5434

0.0000


 165.7654,
127.2954, 308.5701


 12.9105, 6.1217,
41.5754


 12.9105, 6.1217,
41.5754


 11.7910, 5.2119,
41.4589


 14.3459, 7.5003,
41.7660

 11.6511, 5.1011,
41.4449

 16.1586, 9.4669,
42.0501

 18.3856, 12.0901,
42.4390

 21.0584, 15.4284,
42.9425

 24.2055, 19.5336,
43.5690

■ 27.8523, 24.4527,
44.3263

■ 32.0226, 30.2286,
45.2213

■ 36.7384, 36.9015,
46.2608

■ 42.0204, 44.5086,
47.4507

Harmonies

Analogous

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



7.6472, 6.1217, 62.4826



12.9105, 6.1217, 41.5754



17.0748, 6.1217, 16.3181

Triad

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



12.9105, 6.1217, 41.5754



8.6000, 6.1217, 0.0000



1.0033, 6.1217, 12.6607

Complementary

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



12.9105, 6.1217, 41.5754



20.9067, 33.8103, 6.0859

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.



1.0680, 6.1217, 1.8495



12.9105, 6.1217, 41.5754



4.3074, 6.1217, 0.0000

Square

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



12.9105, 6.1217, 41.5754



13.8846, 6.1217, 0.0000



1.9592, 6.1217, 0.0000



1.7010, 6.1217, 36.3853

Rectangle

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



12.9105, 6.1217, 41.5754



17.8572, 6.1217, 5.8544



1.9592, 6.1217, 0.0000



0.9511, 6.1217, 7.5482

Sweetspot

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



12.9109, 6.1219, 41.5756



51.3459, 45.4874, 80.5690



12.7399, 12.5131, 42.8182



10.6221, 9.1676, 17.3540



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



12.9109, 6.1219, 41.5756



20.8712, 9.1177, 75.1551



25.4088, 12.5648, 42.1605



8.4229, 8.4265, 10.6889



8.6158, 3.7774, 30.4120



0.3385, 0.1536, 0.9600

Inverse Universe

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



20.4547, 10.6504, 13.0331



35.7243, 18.0409, 18.6413



15.9959, 31.2787, 5.8561



8.6722, 8.5756, 9.7720



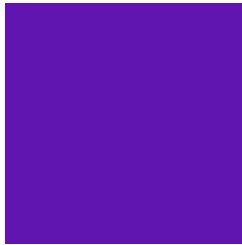
14.5285, 7.3289, 7.9429



0.4865, 0.2423, 0.4045

Previews

White Background



This preview shows how the XYZ color 12.9105, 6.1217, 41.5754 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

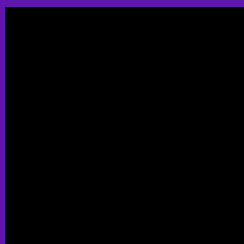
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9105, 6.1217, 41.5754

Background



This preview shows how black text looks on a background with the XYZ color 12.9105, 6.1217, 41.5754.



This preview shows how white text looks on a background with the XYZ color 12.9105, 6.1217,

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

12.9105, 6.1217, 41.5754

Protanopia

7.2390, 6.3006, 27.6227

Deuteranopia

6.0206, 6.2203, 19.9521



Tritanopia

6.0932, 6.2417, 7.7211

Trichromacy



Original Color

12.9105, 6.1217, 41.5754

Protanomaly

7.8777, 5.1253, 32.0266

Deuteranomaly

6.9702, 4.9788, 26.5802

Tritanomaly

7.4609, 5.3313, 15.9650

Monochromacy



Original Color

12.9105, 6.1217, 41.5754

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

6.2492, 4.3891, 13.3498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9105, 6.1217, 41.5754 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(96, 20, 176)` looks like.

```
.text, #text, p{  
    color:rgb(96, 20, 176)  
}
```

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(96, 20, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 20, 176) }
```

Border

The CSS property to change the border of an element to XYZ 12.9105, 6.1217, 41.5754 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(96, 20, 176) }
```


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

```
.border{ border-color:rgb(96, 20, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 20, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 20, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 20, 176);  
box-shadow:4px 4px 4px 4px rgb(96, 20,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9105, 6.1217, 41.5754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 20, 176) }
```

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

```
.background{ background-color: rgb(96, 20,  
176) }
```

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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