

Converting Colors

XYZ(12.8426, 6.5996, 1.5505)

Have a look what the booklet for
XYZ(12.8426, 6.5996, 1.5505)
contains.

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Color

**XYZ(12.7641, 6.5586,
1.5705)**

Conversions

Conversions Part 1

Format	Color
Hex	96001A
RGB	150, 0, 26
RGB Percent	59%, 0%, 10%
CMY	0.4118, 0.9999, 0.8980
CMYK	0.00, 1.00, 0.83, 0.41
HSL	350°, 100%, 29%
HSV	350°, 100%, 59%
XYZ	12.7641, 6.5586, 1.5705
YIQ	47.8140, 81.0540, 39.8860

Conversions

Conversions Part 2

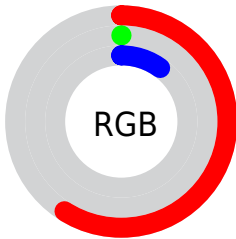
Format	Color
RYB	150, 0, 26
Decimal	9830426
CIELab	30.78, 54.41, 31.97
CIELCh	31, 63.107, 30.439
Yxy	6.5586, 0.6109, 0.3139
Android (android.graphics.Color)	4288020506 (0xFF96001A)
YUV	47.8140, -10.7543, 89.6171
Hunter-Lab	25.6098, 44.1487, 14.2909

Details

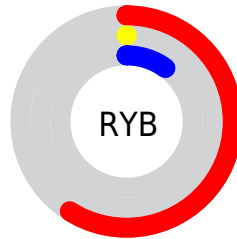
The XYZ color **12.7641, 6.5586, 1.5705** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **14.5459, 23.2684, 22.8001**, and the grayscale version is **2.7956, 2.9411, 3.2029**.

A 20% lighter version of the original color is **30.6394, 19.2043, 7.8863**, and **4.2164, 2.1737, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **12.7638, 6.5585, 1.5694**, and if you desaturate by 10%, it is **13.1051, 6.9688, 2.5223**.

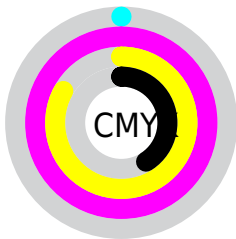
Distribution



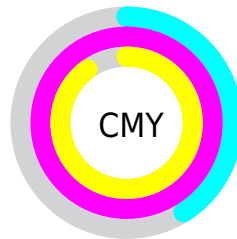
- Red (59%)
- Green (0%)
- Blue (10%)



- Red (59%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (41%)



- Cyan (41%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7641, 6.5586, 1.5705 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 12.7641, 6.5586, 1.5705 by changing the saturation by 10% instead.

■ 12.7641, 6.5586,
1.5705

■ 12.7641, 6.5586,
1.5705

203.0685,
163.9439, 115.3043

■ 7.3422, 3.1876,
0.2696

■ 30.4843, 19.0796,
7.8293

■ 3.7252, 1.2305,
0.0000

■ 43.5132, 28.9983,
13.7778

■ 1.5479, 0.0864,
0.0000

■ 59.8086, 41.8685,
22.1638

■ 0.3581, 0.0000,
0.0000

■ 79.7356, 58.0744,
33.4058


■ 0.0000, 0.0000,
0.0000


■ 103.6598, 78.0006,
47.9222


■ 131.9465,


102.0313, 66.1318


 164.9609,
130.5509, 88.4530


 12.7641, 6.5586,
1.5705


 12.7641, 6.5586,
1.5705


 12.7638, 6.5585,
1.5694

 13.1051, 6.9688,
2.5223

 13.6356, 7.6509,
3.8675

 14.4197, 8.7236,
5.6566

 15.4854, 10.2343,
7.9254

 16.8569, 12.2238,
10.7054

■ 18.5557, 14.7280,
14.0259

■ 20.6014, 17.7795,
17.9134

■ 23.0119, 21.4081,
22.3931

■ 25.8041, 25.6417,
27.4884

Harmonies

Analogous

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



14.1093, 6.5586, 7.0136



12.7641, 6.5586, 1.5705



9.5901, 6.5586, 0.0000

Triad

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



12.7641, 6.5586, 1.5705



2.4029, 6.5586, 1.6529



6.2787, 6.5586, 40.4379

Complementary

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



12.7641, 6.5586, 1.5705



14.5459, 23.2684, 22.8001

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.



3.7691, 6.5586, 33.8958



12.7641, 6.5586, 1.5705



2.0216, 6.5586, 7.2704

Square

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



12.7641, 6.5586, 1.5705



3.7139, 6.5586, 0.0000



2.4267, 6.5586, 19.4443



9.6940, 6.5586, 33.5345

Rectangle

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



12.7641, 6.5586, 1.5705



7.2573, 6.5586, 0.0000



2.4267, 6.5586, 19.4443



5.3112, 6.5586, 39.7042

Sweetspot

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



12.7642, 6.5590, 1.5706



36.1206, 31.0225, 31.1687



13.6027, 6.3769, 29.3678



7.6878, 6.4010, 6.3085



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.7642, 6.5590, 1.5706



22.4794, 11.5559, 2.5268



13.6149, 8.5584, 0.9350



5.8394, 5.8308, 6.2603



10.5950, 5.4431, 1.3483



0.1374, 0.0697, 0.0569

Inverse Universe

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



12.7642, 6.5590, 1.5706



22.4794, 11.5559, 2.5268



10.3065, 11.8047, 30.5892



5.8394, 5.8308, 6.2603



10.5950, 5.4431, 1.3483



0.1374, 0.0697, 0.0569

Previews

White Background



This preview shows how the XYZ color 12.7641, 6.5586, 1.5705 looks on a white background.

Color Contrast Check

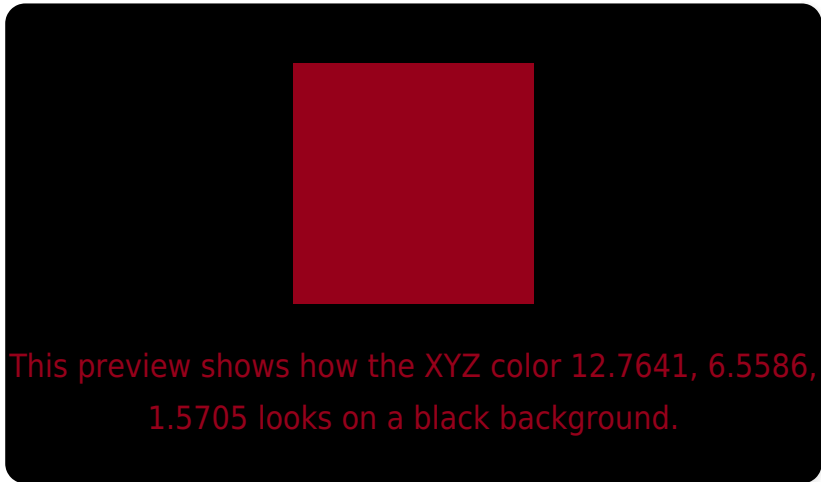
Large Text (above 18pt) WCAG AA ✓ Pass

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

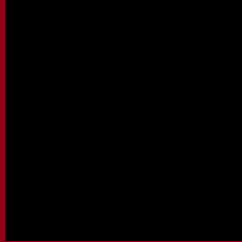
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7641, 6.5586, 1.5705

Background



This preview shows how black text looks on a background with the XYZ color 12.7641, 6.5586, 1.5705.



This preview shows how white text looks on a background with the XYZ color 12.7641, 6.5586,

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

12.7641, 6.5586, 1.5705

Protanopia

6.6408, 7.2138, 3.1402

Deuteranopia

7.2016, 7.1457, 1.3163



Tritanopia

12.5383, 6.6774, 0.6280

Trichromacy



Original Color

12.7641, 6.5586, 1.5705

Protanomaly

7.5597, 5.4294, 2.3186

Deuteranomaly

8.2730, 5.7044, 1.1552

Tritanomaly

12.5306, 6.5830, 0.8686

Monochromacy



Original Color

12.7641, 6.5586, 1.5705

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.6193, 3.0645, 2.3555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7641, 6.5586, 1.5705 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(150, 0, 26)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 26)  
}
```

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(150, 0, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 26) }
```

Border

The CSS property to change the border of an element to XYZ 12.7641, 6.5586, 1.5705 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(150, 0, 26) }
```


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

```
.border{ border-color:rgb(150, 0, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 0, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(150, 0, 26)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7641, 6.5586, 1.5705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 26) }
```

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

```
.background{ background-color: rgb(150, 0,  
26) }
```

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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