

Converting Colors

XYZ(16.5996, 12.7685, 6.2363)

Have a look what the booklet for
XYZ(16.5996, 12.7685, 6.2363)
contains.

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Color

**XYZ(16.6021, 12.8230,
6.3027)**

Conversions

Conversions Part 1

Format	Color
Hex	97513F
RGB	151, 81, 63
RGB Percent	59%, 32%, 25%
CMY	0.4078, 0.6823, 0.7529
CMYK	0.00, 0.46, 0.58, 0.41
HSL	12°, 41%, 42%
HSV	12°, 58%, 59%
XYZ	16.6021, 12.8230, 6.3027
YIQ	99.8780, 47.4980, 9.2420

Conversions

Conversions Part 2

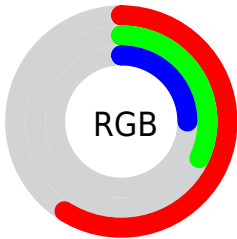
Format	Color
R_{YB}	151, 86, 63
Decimal	9916735
CIE _{Lab}	42.50, 27.36, 23.49
CIE _{LCh}	42, 36.061, 40.642
Yxy	12.8230, 0.4647, 0.3589
Android (android.graphics.Color)	4288106815 (0xFF97513F)
YUV	99.8780, -18.1809, 44.8340
Hunter-Lab	35.8092, 20.0912, 14.6310

Details

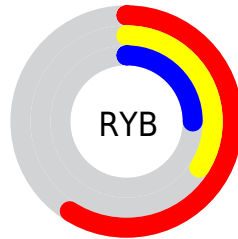
The XYZ color **16.6021, 12.8230, 6.3027** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.0229, 20.0652, 32.3065**, and the grayscale version is **12.1187, 12.7498, 13.8845**.

A 20% lighter version of the original color is **36.9980, 30.7902, 19.0320**, and **5.5222, 3.6814, 1.0813** is the 20% darker color. If you saturate the color by 10%, you get **15.4216, 11.0473, 4.1051**, and if you desaturate by 10%, it is **18.0569, 14.9621, 9.1630**.

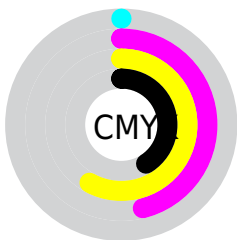
Distribution



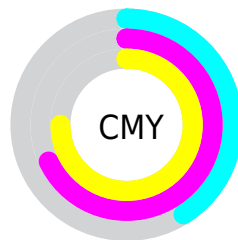
- Red (59%)
- Green (32%)
- Blue (25%)



- Red (59%)
- Yellow (34%)
- Blue (25%)



- Cyan (0%)
- Magenta (46%)
- Yellow (58%)
- Black (41%)





- Cyan (41%)
- Magenta (68%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6021, 12.8230, 6.3027 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 16.6021, 12.8230, 6.3027 by changing the saturation by 10% instead.


 16.6021, 12.8230,
6.3027


 16.6021, 12.8230,
6.3027


226.0701,
209.7802, 171.1419


 10.0447, 7.3068,
2.9583


 37.1894, 30.9854,
19.0444


 5.4911, 3.6547,
1.0734

 51.9501, 44.4004,
29.2788


 2.5759, 1.4823,
0.0000

 70.1760, 61.2171,
42.6468

 0.9337, 0.2762,
0.0000

 92.2323, 81.8199,
59.5672

 0.0000, 0.0000,
0.0000

 118.4846,
106.5933, 80.4583

 149.2980,

135.9215, 105.7388

185.0381,
170.1890, 135.8271

■ 16.6021, 12.8230,
6.3027

■ 16.6021, 12.8230,
6.3027

■ 15.4216, 11.0473,
4.1051

■ 18.0569, 14.9621,
9.1630

■ 14.4964, 9.6125,
2.5156

■ 19.8013, 17.4815,
12.7333

■ 13.8065, 8.4966,
1.4719

■ 21.8508, 20.3995,
17.0573

■ 13.3195, 7.6706,
0.8532

■ 24.2192, 23.7323,
22.1750

■ 13.2496, 7.5536,
0.7597

■ 26.9196, 27.4956,
28.1236

■ 29.9644, 31.7040,
34.9380

■ 33.3652, 36.3715,
42.6508

■ 37.1332, 41.5114,
51.2933

■ 41.2789, 47.1367,
60.8950

Harmonies

Analogous

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



18.0836, 12.8230, 11.3749



16.6021, 12.8230, 6.3027



14.0047, 12.8230, 4.0627

Triad

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



16.6021, 12.8230, 6.3027



7.8899, 12.8230, 9.5629



13.1794, 12.8230, 34.4593

Complementary

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



16.6021, 12.8230, 6.3027



16.0229, 20.0652, 32.3065

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.



10.5354, 12.8230, 33.3946



16.6021, 12.8230, 6.3027



7.7370, 12.8230, 16.9145

Square

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



16.6021, 12.8230, 6.3027



9.0892, 12.8230, 5.4023



8.6349, 12.8230, 26.1650



15.9211, 12.8230, 28.6882

Rectangle

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



16.6021, 12.8230, 6.3027



12.1294, 12.8230, 3.7026



8.6349, 12.8230, 26.1650



12.2466, 12.8230, 34.9301

Sweetspot

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



16.6024, 12.8237, 6.3029



43.8015, 43.1004, 40.6471



18.8013, 11.8389, 23.6296



9.7683, 9.5340, 8.8299



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.6024, 12.8237, 6.3029



27.0532, 18.9179, 6.3504



20.9427, 21.5043, 7.7497



6.3061, 6.4173, 6.5121



11.2893, 6.4610, 0.6521



0.1906, 0.1403, 0.0170

Inverse Universe

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



16.0229, 20.0652, 32.3065



25.8469, 33.0188, 57.4447



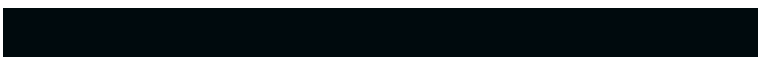
11.2416, 10.5027, 30.7127



6.2772, 6.8118, 7.9129



10.4975, 13.3916, 26.9393



0.1811, 0.2486, 0.4108

Previews

White Background



This preview shows how the XYZ color 16.6021, 12.8230, 6.3027 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



This preview shows how the XYZ color 16.6021, 12.8230, 6.3027 looks on a 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 16.6021, 12.8230, 6.3027

Background



This preview shows how black text looks on a background with the XYZ color 16.6021, 12.8230, 6.3027.



This preview shows how white text looks on a background with the XYZ color 16.6021, 12.8230,

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

16.6021, 12.8230, 6.3027

Protanopia

12.0977, 13.0135, 7.8355

Deuteranopia

13.0245, 12.8296, 6.0649



Tritanopia

17.2735, 12.7643, 9.9408

Trichromacy



Original Color

16.6021, 12.8230, 6.3027

Protanomaly

13.3583, 12.7078, 7.2176

Deuteranomaly

14.2563, 12.8056, 6.1352

Tritanomaly

17.0494, 12.7892, 8.4074

Monochromacy



Original Color

16.6021, 12.8230, 6.3027

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.2424, 12.4388, 10.7198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6021, 12.8230, 6.3027 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(151, 81, 63)` looks like.

```
.text, #text, p{  
    color:rgb(151, 81, 63)  
}
```

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(151, 81, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 81, 63) }
```

Border

The CSS property to change the border of an element to XYZ 16.6021, 12.8230, 6.3027 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(151, 81, 63) }
```


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

```
.border{ border-color:rgb(151, 81, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 81, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 81, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 81, 63);  
box-shadow:4px 4px 4px 4px rgb(151, 81,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6021, 12.8230, 6.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 81, 63) }
```

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

```
.background{ background-color: rgb(151, 81,  
63) }
```

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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