

Converting Colors

XYZ(17.6609, 13.7005, 3.0885)

Have a look what the booklet for
XYZ(17.6609, 13.7005, 3.0885)
contains.

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Color

**XYZ(17.6520, 13.6617,
3.0731)**

Conversions

Conversions Part 1

Format	Color
Hex	9F5320
RGB	159, 83, 32
RGB Percent	62%, 33%, 13%
CMY	0.3765, 0.6745, 0.8745
CMYK	0.00, 0.48, 0.80, 0.38
HSL	24°, 66%, 37%
HSV	24°, 80%, 62%
XYZ	17.6520, 13.6617, 3.0731
YIQ	99.9100, 61.6670, 0.2510

Conversions

Conversions Part 2

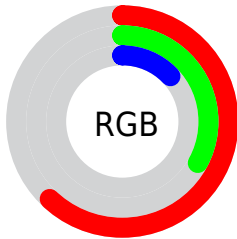
Format	Color
R_{YB}	159, 117, 32
Decimal	10441504
CIE _{Lab}	43.74, 27.75, 42.11
CIE _{LCh}	44, 50.436, 56.615
Yxy	13.6617, 0.5133, 0.3973
Android (android.graphics.Color)	4288631584 (0xFF9F5320)
YUV	99.9100, -33.4796, 51.8219
Hunter-Lab	36.9617, 20.5641, 20.9437

Details

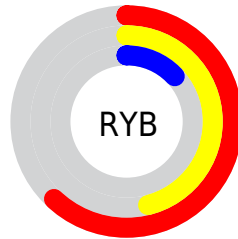
The XYZ color **17.6520, 13.6617, 3.0731** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.2158, 13.5345, 34.7691**, and the grayscale version is **12.1622, 12.7956, 13.9344**.

A 20% lighter version of the original color is **39.1865, 32.6895, 11.8338**, and **6.1104, 4.0865, 0.4667** is the 20% darker color. If you saturate the color by 10%, you get **16.8071, 12.2384, 1.9706**, and if you desaturate by 10%, it is **18.7017, 15.3280, 4.7586**.

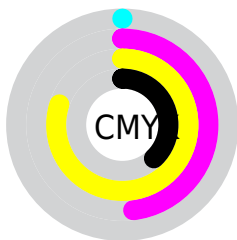
Distribution



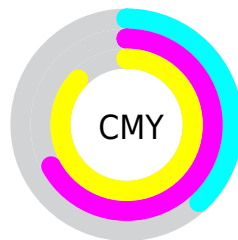
- Red (62%)
- Green (33%)
- Blue (13%)



- Red (62%)
- Yellow (46%)
- Blue (13%)



- Cyan (0%)
- Magenta (48%)
- Yellow (80%)
- Black (38%)





- Cyan (38%)
- Magenta (67%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6520, 13.6617, 3.0731 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 17.6520, 13.6617, 3.0731 by changing the saturation by 10% instead.


 17.6520, 13.6617,
3.0731


 17.6520, 13.6617,
3.0731


231.9859,
215.1160, 137.2863


 10.7986, 7.8858,
1.1321


 38.9782, 32.4875,
11.8083


 5.9979, 4.0219,
0.0000


 54.1817, 46.3062,
19.4395


 2.8844, 1.6858,
0.0000

 72.8993, 63.5746,
29.8046

 1.0929, 0.4145,
0.0000

 95.4963, 84.6771,
43.3221

 0.0192, 0.0000,
0.0000

 122.3381,
109.9981, 60.4104

 0.0000, 0.0000,
0.0000

 153.7901,

139.9220, 81.4882

190.2176,
174.8331, 106.9740

17.6520, 13.6617,
3.0731

17.6520, 13.6617,
3.0731

16.8071, 12.2384,
1.9706

18.7017, 15.3280,
4.7586

16.1311, 11.0354,
1.2856

19.9724, 17.2481,
7.0975

16.1232, 11.0214,
1.2776

21.4793, 19.4345,
10.1508

23.2359, 21.8980,
13.9724

25.2544, 24.6488,
18.6106

■ 27.5463, 27.6965,
24.1101

■ 30.1222, 31.0502,
30.5120

■ 32.9922, 34.7186,
37.8549

■ 36.1657, 38.7100,
46.1750

Harmonies

Analogous

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



21.0702, 13.6617, 7.0767



17.6520, 13.6617, 3.0731



13.4408, 13.6617, 1.9874

Triad

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



17.6520, 13.6617, 3.0731



6.7608, 13.6617, 13.6220



16.7117, 13.6617, 44.2097

Complementary

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



17.6520, 13.6617, 3.0731



12.2158, 13.5345, 34.7691

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.



12.5397, 13.6617, 49.0860



17.6520, 13.6617, 3.0731



7.2886, 13.6617, 26.9682

Square

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



17.6520, 13.6617, 3.0731



7.5995, 13.6617, 5.8003



9.2230, 13.6617, 41.5960



20.4542, 13.6617, 30.4292

Rectangle

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



17.6520, 13.6617, 3.0731



10.9234, 13.6617, 2.2247



9.2230, 13.6617, 41.5960



15.2911, 13.6617, 47.1739

Sweetspot

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



17.6523, 13.6624, 3.0733



47.3902, 47.0337, 38.4691



17.5319, 9.4909, 15.1512



10.3772, 10.1944, 7.9401



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.6523, 13.6624, 3.0733



29.1331, 20.1812, 2.5971



24.8838, 28.1254, 5.4838



6.8408, 7.0616, 6.9881



12.7736, 8.7828, 1.0220



0.2686, 0.2375, 0.0317

Inverse Universe

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



12.2158, 13.5345, 34.7691



18.8894, 19.6933, 61.5491



7.7807, 4.6643, 33.2908



6.5981, 7.0620, 8.4220



8.2268, 8.5452, 27.1230



0.1878, 0.2341, 0.4985

Previews

White Background



This preview shows how the XYZ color 17.6520, 13.6617, 3.0731 looks on a white background.

Color Contrast Check

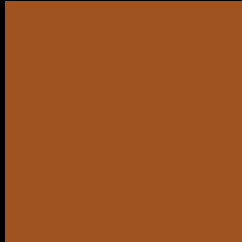
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6520, 13.6617, 3.0731 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 17.6520, 13.6617, 3.0731

Background



This preview shows how black text looks on a background with the XYZ color 17.6520, 13.6617, 3.0731.



This preview shows how white text looks on a background with the XYZ color 17.6520, 13.6617,

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

17.6520, 13.6617, 3.0731

Protanopia

12.5026, 13.7536, 3.8295

Deuteranopia

14.0084, 13.8236, 2.9072



Tritanopia

18.9837, 13.6504, 9.8179

Trichromacy



Original Color

17.6520, 13.6617, 3.0731

Protanomaly

14.0170, 13.3987, 3.5165

Deuteranomaly

15.1085, 13.5753, 2.9226

Tritanomaly

18.2913, 13.5811, 6.5078

Monochromacy



Original Color

17.6520, 13.6617, 3.0731

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.1579, 12.5784, 8.3910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6520, 13.6617, 3.0731 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(159, 83, 32)` looks like.

```
.text, #text, p{  
    color:rgb(159, 83, 32)  
}
```

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(159, 83, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 83, 32) }
```

Border

The CSS property to change the border of an element to XYZ 17.6520, 13.6617, 3.0731 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(159, 83, 32) }
```


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

```
.border{ border-color:rgb(159, 83, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 83, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 83, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 83, 32);  
box-shadow:4px 4px 4px 4px rgb(159, 83,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6520, 13.6617, 3.0731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 83, 32) }
```

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

```
.background{ background-color: rgb(159, 83,  
32) }
```

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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