

Converting Colors

XYZ(19.7781, 16.0058, 2.7187)

Have a look what the booklet for
XYZ(19.7781, 16.0058, 2.7187)
contains.

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Color

**XYZ(19.7665, 15.9862,
2.7057)**

Conversions

Conversions Part 1

Format	Color
Hex	A65D14
RGB	166, 93, 20
RGB Percent	65%, 36%, 8%
CMY	0.3490, 0.6353, 0.9216
CMYK	0.00, 0.44, 0.88, 0.35
HSL	30°, 78%, 36%
HSV	30°, 88%, 65%
XYZ	19.7665, 15.9862, 2.7057
YIQ	106.5050, 66.9410, -7.2270

Conversions

Conversions Part 2

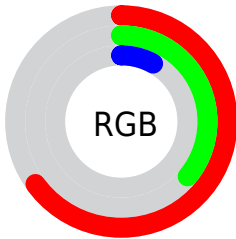
Format	Color
R_{YB}	166, 166, 20
Decimal	10902804
CIE _{Lab}	46.96, 24.87, 50.18
CIE _{LCh}	47, 56.007, 63.638
Yxy	15.9862, 0.5140, 0.4157
Android (android.graphics.Color)	4289092884 (0xFFA65D14)
YUV	106.5050, -42.6470, 52.1771
Hunter-Lab	39.9827, 18.2763, 23.9757

Details

The XYZ color **19.7665, 15.9862, 2.7057** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.0856, 10.7303, 37.5630**, and the grayscale version is **13.9398, 14.6658, 15.9711**.

A 20% lighter version of the original color is **42.5070, 36.5831, 10.9518**, and **7.1613, 5.1421, 0.6151** is the 20% darker color. If you saturate the color by 10%, you get **18.9698, 14.5651, 1.9093**, and if you desaturate by 10%, it is **20.7368, 17.6047, 4.0229**.

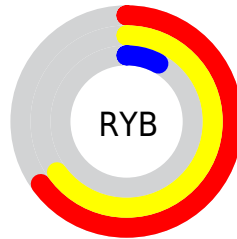
Distribution



Red (65%)

Green (36%)

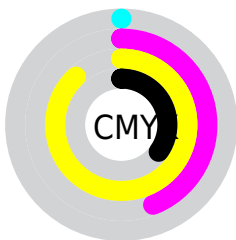
Blue (8%)



Red (65%)

Yellow (65%)

Blue (8%)

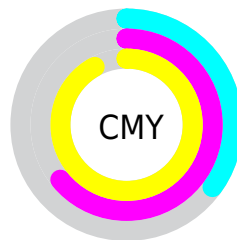


Cyan (0%)

Magenta (44%)

Yellow (88%)

Black (35%)



Cyan (35%)

Magenta (64%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7665, 15.9862, 2.7057 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 19.7665, 15.9862, 2.7057 by changing the saturation by 10% instead.

■ 19.7665, 15.9862,
2.7057

■ 19.7665, 15.9862,
2.7057

243.5060,
229.2603, 132.5192

■ 12.3327, 9.5144,
0.9463

■ 42.5323, 36.5742,
10.8932

■ 7.0445, 5.0782,
0.0000

■ 58.5950, 51.4593,
18.1584

■ 3.5365, 2.2932,
0.0000

■ 78.2647, 69.9175,
28.0961

■ 1.4434, 0.7701,
0.0000

■ 101.9068, 92.3333,
41.1247

■ 0.2868, 0.0000,
0.0000

■ 129.8866,
119.0911, 57.6627

■ 0.0000, 0.0000,
0.0000

■ 162.5695,

150.5752, 78.1288

200.3208,
187.1702, 102.9415

19.7665, 15.9862,
2.7057

19.7665, 15.9862,
2.7057

18.9698, 14.5651,
1.9093

20.7368, 17.6047,
4.0229

18.8193, 14.2940,
1.7671

21.9064, 19.4325,
5.9890

23.2922, 21.4809,
8.6805

24.9087, 23.7591,
12.1627

26.7689, 26.2758,
16.4938

■ 28.8847, 29.0391,
21.7261

■ 31.2672, 32.0564,
27.9080

■ 33.9266, 35.3350,
35.0841

■ 36.8727, 38.8817,
43.2965

Harmonies

Analogous

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



24.4500, 15.9862, 6.3405



19.7665, 15.9862, 2.7057



14.6052, 15.9862, 1.9865

Triad

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



19.7665, 15.9862, 2.7057



7.6065, 15.9862, 19.1724



21.0244, 15.9862, 50.8547

Complementary

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



19.7665, 15.9862, 2.7057



11.0856, 10.7303, 37.5630

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.



15.7992, 15.9862, 60.5188



19.7665, 15.9862, 2.7057



8.6306, 15.9862, 37.0039

Square

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



19.7665, 15.9862, 2.7057



8.2276, 15.9862, 7.9739



11.3880, 15.9862, 54.4292



25.2790, 15.9862, 32.3210

Rectangle

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



19.7665, 15.9862, 2.7057



11.7258, 15.9862, 2.5522



11.3880, 15.9862, 54.4292



19.2873, 15.9862, 55.5950

Sweetspot

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



19.7669, 15.9870, 2.7060



53.0269, 53.4775, 40.9665



17.9518, 9.3977, 11.2241



11.5637, 11.5779, 8.4007



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.7669, 15.9870, 2.7060



33.9438, 25.5189, 3.1366



29.4882, 35.4296, 5.9464



7.8294, 8.1388, 7.9476



14.6403, 11.1779, 1.3859



0.4074, 0.3744, 0.0508

Inverse Universe

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



11.0856, 10.7303, 37.5630



17.8935, 15.8000, 67.5819



7.4217, 3.4024, 36.3416



7.4300, 7.8970, 9.5510



7.7826, 7.0254, 28.9213



0.2406, 0.2734, 0.7207

Previews

White Background



This preview shows how the XYZ color 19.7665, 15.9862, 2.7057 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 19.7665, 15.9862, 2.7057 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 19.7665, 15.9862, 2.7057

Background



This preview shows how black text looks on a background with the XYZ color 19.7665, 15.9862, 2.7057.



This preview shows how white text looks on a background with the XYZ color 19.7665, 15.9862,

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

19.7665, 15.9862, 2.7057

Protanopia

14.5738, 16.0941, 3.2581

Deuteranopia

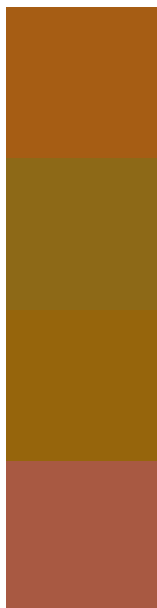
16.1824, 15.9883, 2.4629



Tritanopia

21.7462, 16.0417, 12.3061

Trichromacy



Original Color

19.7665, 15.9862, 2.7057

Protanomaly

16.1907, 15.8277, 3.0123

Deuteranomaly

17.2977, 15.8179, 2.4893

Tritanomaly

20.7042, 15.8629, 7.1249

Monochromacy



Original Color

19.7665, 15.9862, 2.7057

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.9235, 14.5999, 8.6881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7665, 15.9862, 2.7057 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(166, 93, 20)` looks like.

```
.text, #text, p{  
    color:rgb(166, 93, 20)  
}
```

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(166, 93, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 93, 20) }
```

Border

The CSS property to change the border of an element to XYZ 19.7665, 15.9862, 2.7057 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(166, 93, 20) }
```


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

```
.border{ border-color:rgb(166, 93, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 93, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 93, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 93, 20);  
box-shadow:4px 4px 4px 4px rgb(166, 93,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7665, 15.9862, 2.7057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 93, 20) }
```

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

```
.background{ background-color: rgb(166, 93,  
20) }
```

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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