Converting Colors

XYZ(16.8800, 10.4199, 2.1597)

Have a look what the booklet for XYZ(16.8800, 10.4199, 2.1597) contains.

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Color

XYZ(16.8987, 10.4461, 2.1626)

Conversions

Conversions Part 1

Format	Color
Hex	A5331B
RGB	165, 51, 27
RGB Percent	65%, 20%, 11%
CMY	0.3529, 0.8000, 0.8941
CMYK	0.00, 0.69, 0.84, 0.35
HSL	10°, 72%, 38%
HSV	10°, 84%, 65%
XYZ	16.8987, 10.4461, 2.1626
YIQ	82.3500, 75.6480, 16.7040

Conversions

Conversions Part 2

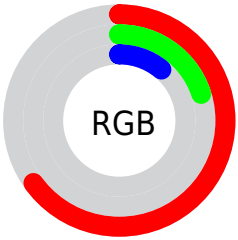
Format	Color
RYB	165, 56, 27
Decimal	10826523
CIELab	38.63, 45.67, 40.03
CIELCh	39, 60.731, 41.233
Yxy	10.4461, 0.5727, 0.3540
Android (android.graphics.Color)	4289016603 (0xFFA5331B)
YUV	82.3500, -27.2875, 72.4841
Hunter-Lab	32.3204, 36.7678, 18.6571

Details

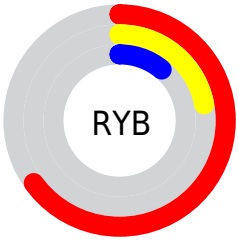
The XYZ color 16.8987, 10.4461, 2.1626 is a dark color, and the websafe version is hex 993300. A complement of this color would be 16.7675, 21.9975, 38.9592, and the grayscale version is 8.1336, 8.5571, 9.3187.

A 20% lighter version of the original color is 37.8315, 26.7126, 9.4654, and 5.8257, 3.0033, 0.2726 is the 20% darker color. If you saturate the color by 10%, you get 16.2479, 9.3691, 1.2537, and if you desaturate by 10%, it is 17.8318, 11.9165, 3.6943.

Distribution

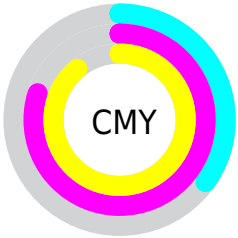


- Red (65%)
- Green (20%)
- Blue (11%)



- Red (65%)
- Yellow (22%)
- Blue (11%)

- Cyan (0%)
- Magenta (69%)
- Yellow (84%)
- Black (35%)



- Cyan (35%)
- Magenta (80%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8987, 10.4461, 2.1626 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 16.8987, 10.4461, 2.1626 by changing the saturation by 10% instead.

16.8987, 10.4461, 2.1626

16.8987, 10.4461, 2.1626

227.7556, 193.8270, 124.8526

10.2571, 5.6957, 0.6527

37.6965, 26.6313, 9.4808

5.6334, 2.6610, 0.0000

52.5835, 38.8348, 16.1584

2.6620, 0.9574, 0.0000

70.9496, 54.2916, 25.4065

0.9776, 0.0000, 0.0000

93.1603, 73.3859, 37.6436

0.0000, 0.0000, 0.0000

119.5809, 96.5022, 53.2882

150.5767,

124.0249, 72.7589

186.5132, 156.3384, 96.4742

16.8987, 10.4461, 2.1626

16.2479, 9.3691, 1.2537

15.9490, 8.8635, 0.8702

16.8987, 10.4461, 2.1626

17.8318, 11.9165, 3.6943

19.0760, 13.8123, 5.9358

20.6571, 16.1644, 8.9606

22.5981, 19.0003, 12.8326

24.9197, 22.3450, 17.6095

27.6411, 26.2220, 23.3436

30.7801, 30.6533, 30.0834

34.3536, 35.6596, 37.8738

38.3773, 41.2606, 46.7574

Harmonies

Analogous

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

19.5302, 10.4461, 7.6041

16.8987, 10.4461, 2.1626

12.6109, 10.4461, 0.6365

Triad

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

16.8987, 10.4461, 2.1626

4.2867, 10.4461, 5.6627

11.5016, 10.4461, 49.4765

Complementary

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

16.8987, 10.4461, 2.1626

16.7675, 21.9975, 38.9592

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.

7.6567, 10.4461, 47.5094

16.8987, 10.4461, 2.1626

4.1392, 10.4461, 16.2205

Square

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

16.8987, 10.4461, 2.1626

5.6773, 10.4461, 1.5547

5.1997, 10.4461, 32.9106

15.9015, 10.4461, 37.2382

Rectangle

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

16.8987, 10.4461, 2.1626

9.7643, 10.4461, 0.4117

5.1997, 10.4461, 32.9106

10.0949, 10.4461, 50.5943

Sweetspot

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

16.8989, 10.4467, 2.1628

48.5604, 45.6236, 39.8034

20.7914, 10.7362, 26.5676

10.2542, 9.4592, 7.9366

78.6606, 82.7571, 90.1225

14.0027, 14.7319, 16.0430

Same Dimension

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

16.8989, 10.4467, 2.1628

28.4597, 15.6657, 1.5238

22.3116, 21.2721, 3.9670

7.1688, 7.2760, 7.4067

12.0926, 6.7591, 0.6673

0.2804, 0.1946, 0.0228

Inverse Universe

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

16.7675, 21.9975, 38.9592

27.8731, 36.2852, 69.2870

9.6261, 7.7148, 36.5788

7.1708, 7.8006, 9.0308

11.8622, 15.5038, 29.2971

0.2752, 0.3777, 0.6242

Previews

White Background

This preview shows how the XYZ color 16.8987, 10.4461, 2.1626 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

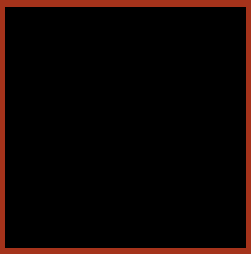
Black Background

Color Contrast Check

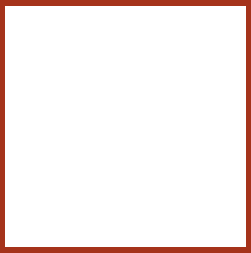
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 16.8987, 10.4461, 2.1626 Background



This preview shows how black text looks on a background with the XYZ color 16.8987, 10.4461, 2.1626.



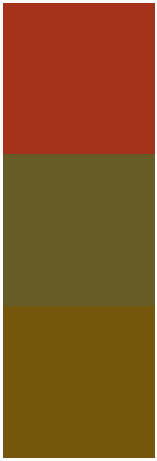
This preview shows how white text looks on a background with the XYZ color 16.8987, 10.4461,

2.1626.

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
16.8987, 10.4461, 2.1626

Protanopia
9.6565, 10.6190, 3.3744

Deuteranopia
10.6770, 10.5559, 1.8226

Tritanopia
17.3804, 10.4599, 4.2349

Trichromacy

Original Color
16.8987, 10.4461, 2.1626

Protanomaly
11.4001, 9.7832, 2.8009

Deuteranomaly
12.3815, 10.0064, 1.8092

Tritanomaly
17.2421, 10.4708, 3.3028

Monochromacy

Original Color
16.8987, 10.4461, 2.1626

Achromatopsia
8.0200, 8.4376, 9.1886

Achromatomaly
9.8048, 8.2990, 5.6425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8987, 10.4461, 2.1626 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(165, 51, 27) looks like.

```
.text, #text, p{
    color:rgb(165, 51, 27)
}
```

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(165, 51, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 51, 27) }
```

Border

The CSS property to change the border of an element to XYZ 16.8987, 10.4461, 2.1626 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(165, 51, 27) }
```

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

```
.border{ border-color:rgb(165, 51, 27) }
```

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

Here you see how a box with a 4 pixel rgb(165, 51, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 51, 27); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 51, 27); box-shadow:4px 4px 4px 4px rgb(165, 51, 27) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8987, 10.4461, 2.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(165, 51, 27) }
```

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

```
.background{ background-color:rgb(165, 51,
27) }
```

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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