

Converting Colors

XYZ(21.2713, 17.6880, 7.4943)

Have a look what the booklet for
XYZ(21.2713, 17.6880, 7.4943)
contains.

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Color

**XYZ(21.3629, 17.8077,
7.4655)**

Conversions

Conversions Part 1

Format	Color
Hex	A66542
RGB	166, 101, 66
RGB Percent	65%, 40%, 26%
CMY	0.3490, 0.6039, 0.7412
CMYK	0.00, 0.39, 0.60, 0.35
HSL	21°, 43%, 45%
HSV	21°, 60%, 65%
XYZ	21.3629, 17.8077, 7.4655
YIQ	116.4450, 49.9750, 2.8950

Conversions

Conversions Part 2

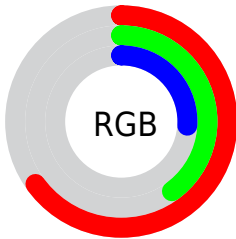
Format	Color
RYB	166, 120, 66
Decimal	10904898
CIELab	49.26, 22.70, 30.66
CIELCh	49, 38.151, 53.486
Yxy	17.8077, 0.4581, 0.3818
Android (android.graphics.Color)	4289094978 (0xFFA66542)
YUV	116.4450, -24.8694, 43.4597
Hunter-Lab	42.1992, 16.5153, 19.0504

Details

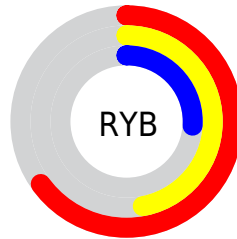
The XYZ color **21.3629, 17.8077, 7.4655** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.2454, 20.1428, 39.0551**, and the grayscale version is **16.8010, 17.6759, 19.2491**.

A 20% lighter version of the original color is **45.0632, 39.5416, 21.4769**, and **7.8389, 5.9153, 1.4381** is the 20% darker color. If you saturate the color by 10%, you get **19.9630, 15.6809, 4.9248**, and if you desaturate by 10%, it is **23.0432, 20.2683, 10.8007**.

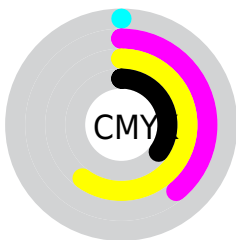
Distribution



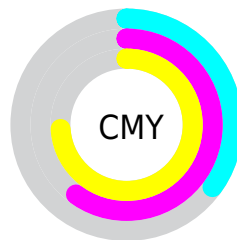
- Red (65%)
- Green (40%)
- Blue (26%)



- Red (65%)
- Yellow (47%)
- Blue (26%)



- Cyan (0%)
- Magenta (39%)
- Yellow (60%)
- Black (35%)



- Cyan (35%)
- Magenta (60%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3629, 17.8077, 7.4655 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 21.3629, 17.8077, 7.4655 by changing the saturation by 10% instead.

■ 21.3629, 17.8077,
7.4655

■ 21.3629, 17.8077,
7.4655

251.8962,
239.7849, 181.2526

■ 13.5035, 10.8120,
3.6721

■ 45.1775, 39.7094,
21.4323

■ 7.8555, 5.9406,
1.4472

■ 61.8633, 55.3842,
32.4428

■ 4.0537, 2.8090,
0.1781

■ 82.2221, 74.7208,
46.6961

■ 1.7325, 1.0328,
0.0000

■ 106.6190, 98.1036,
64.6106

■ 0.4765, 0.0000,
0.0000

■ 135.4196,
125.9170, 86.6050

■ 0.0000, 0.0000,
0.0000

■ 168.9891,

158.5454, 113.0977

207.6928,
196.3733, 144.5074

■ 21.3629, 17.8077,
7.4655

■ 21.3629, 17.8077,
7.4655

■ 19.9630, 15.6809,
4.9248

■ 23.0432, 20.2683,
10.8007

■ 18.8244, 13.8693,
3.1092

■ 25.0189, 23.0744,
14.9899

■ 17.9267, 12.3567,
1.9384

■ 27.3052, 26.2405,
20.0881

■ 17.2442, 11.1439,
1.2421

■ 29.9159, 29.7794,
26.1451

■ 32.8638, 33.7033,
33.2073

■ 36.1611, 38.0235,
41.3180

■ 39.8194, 42.7513,
50.5178

■ 43.8494, 47.8972,
60.8454

■ 48.2618, 53.4713,
72.3374

Harmonies

Analogous

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



24.0600, 17.8077, 12.5439



21.3629, 17.8077, 7.4655



17.7190, 17.8077, 5.6541

Triad

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



21.3629, 17.8077, 7.4655



10.9641, 17.8077, 17.2370



19.8211, 17.8077, 43.6864

Complementary

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



21.3629, 17.8077, 7.4655



17.2454, 20.1428, 39.0551

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.



16.1564, 17.8077, 46.3271



21.3629, 17.8077, 7.4655



11.3627, 17.8077, 28.3593

Square

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



21.3629, 17.8077, 7.4655



11.9723, 17.8077, 9.8626



13.1498, 17.8077, 39.9527



23.0857, 17.8077, 33.6517

Rectangle

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



21.3629, 17.8077, 7.4655



15.3700, 17.8077, 5.8392



13.1498, 17.8077, 39.9527



18.5830, 17.8077, 45.5867

Sweetspot

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



21.3633, 17.8086, 7.4658



55.2667, 55.3500, 49.7509



21.7708, 13.6422, 22.9585



12.0478, 11.9572, 10.3775



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.



21.3633, 17.8086, 7.4658



35.5421, 27.3812, 7.7830



27.7757, 30.6334, 9.6033



7.7379, 7.9559, 7.9171



13.4125, 8.7222, 0.9766



0.3742, 0.3080, 0.0397

Inverse Universe

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



17.2454, 20.1428, 39.0551



27.3391, 31.8627, 70.1845



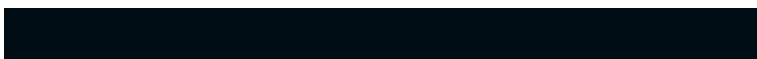
12.0722, 9.7964, 37.3307



7.5232, 8.0834, 9.5821



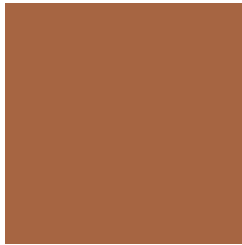
9.5320, 10.5241, 29.5045



0.2771, 0.3465, 0.7329

Previews

White Background



This preview shows how the XYZ color 21.3629, 17.8077, 7.4655 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 21.3629, 17.8077, 7.4655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

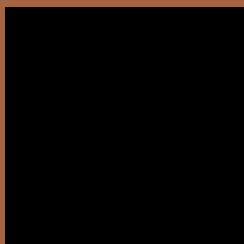
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3629, 17.8077, 7.4655

Background



This preview shows how black text looks on a background with the XYZ color 21.3629, 17.8077, 7.4655.



This preview shows how white text looks on a background with the XYZ color 21.3629, 17.8077,

7.4655.

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

21.3629, 17.8077, 7.4655

Protanopia

16.5502, 18.0139, 8.7356

Deuteranopia

18.2212, 17.8878, 7.3428



Tritanopia

22.9932, 17.7800, 15.0520

Trichromacy



Original Color

21.3629, 17.8077, 7.4655

Protanomaly

18.0550, 17.7813, 8.2749

Deuteranomaly

19.2656, 17.7822, 7.4179

Tritanomaly

22.3616, 17.7984, 11.9297

Monochromacy



Original Color

21.3629, 17.8077, 7.4655

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.7206, 17.3191, 13.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3629, 17.8077, 7.4655 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, 101, 66)` looks like.

```
.text, #text, p{  
    color:rgb(166, 101, 66)  
}
```

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, 101, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 101, 66) }
```

Border

The CSS property to change the border of an element to XYZ 21.3629, 17.8077, 7.4655 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, 101, 66) }
```


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

```
.border{ border-color:rgb(166, 101, 66) }
```

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

Here you see how a box with a 4 pixel rgb(166, 101, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 101, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 101, 66);  
box-shadow:4px 4px 4px 4px rgb(166, 101,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3629, 17.8077, 7.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 101, 66) }
```

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

```
.background{ background-color: rgb(166,  
101, 66) }
```

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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