

Converting Colors

XYZ(20.9792, 18.1685, 7.2582)

Have a look what the booklet for
XYZ(20.9792, 18.1685, 7.2582)
contains.

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Color

**XYZ(21.0812, 18.2598,
7.2639)**

Conversions

Conversions Part 1

Format	Color
Hex	A36940
RGB	163, 105, 64
RGB Percent	64%, 41%, 25%
CMY	0.3608, 0.5882, 0.7490
CMYK	0.00, 0.36, 0.61, 0.36
HSL	25°, 44%, 45%
HSV	25°, 61%, 64%
XYZ	21.0812, 18.2598, 7.2639
YIQ	117.6680, 47.7290, -0.4550

Conversions

Conversions Part 2

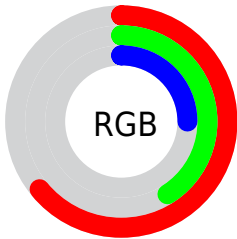
Format	Color
RYB	163, 134, 64
Decimal	10709312
CIELab	49.81, 19.00, 32.35
CIELCh	50, 37.516, 59.576
Yxy	18.2598, 0.4523, 0.3918
Android (android.graphics.Color)	4288899392 (0xFFA36940)
YUV	117.6680, -26.4583, 39.7562
Hunter-Lab	42.7315, 13.2813, 19.8334

Details

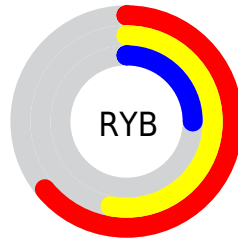
The XYZ color **21.0812, 18.2598, 7.2639** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.6843, 17.6525, 37.2307**, and the grayscale version is **17.1861, 18.0811, 19.6903**.

A 20% lighter version of the original color is **44.8564, 40.6783, 21.1103**, and **7.6441, 6.0991, 1.3904** is the 20% darker color. If you saturate the color by 10%, you get **19.7649, 16.2642, 4.8617**, and if you desaturate by 10%, it is **22.6432, 20.5300, 10.4172**.

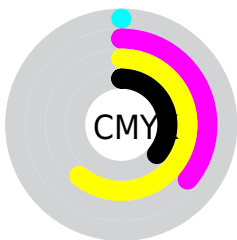
Distribution



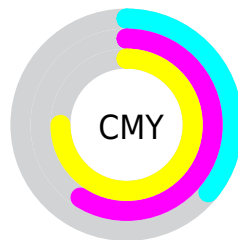
- Red (64%)
- Green (41%)
- Blue (25%)



- Red (64%)
- Yellow (53%)
- Blue (25%)



- Cyan (0%)
- Magenta (36%)
- Yellow (61%)
- Black (36%)



- Cyan (36%)
- Magenta (59%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0812, 18.2598, 7.2639 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 21.0812, 18.2598, 7.2639 by changing the saturation by 10% instead.

■ 21.0812, 18.2598,
7.2639

■ 21.0812, 18.2598,
7.2639

250.4333,
242.3314, 179.5521

■ 13.2962, 11.1367,
3.5467

■ 44.7129, 40.4795,
21.0240

■ 7.7112, 6.1588,
1.3801

■ 61.2903, 56.3449,
31.9041

■ 3.9610, 2.9419,
0.1262

■ 81.5291, 75.8932,
46.0088

■ 1.6801, 1.1015,
0.0000

■ 105.7948, 99.5087,
63.7568

■ 0.4437, 0.0000,
0.0000

■ 134.4528,
127.5759, 85.5666

■ 0.0000, 0.0000,
0.0000

■ 167.8682,

160.4791, 111.8567

206.4066,
198.6028, 143.0457

■ 21.0812, 18.2598,
7.2639

■ 21.0812, 18.2598,
7.2639

■ 19.7649, 16.2642,
4.8617

■ 22.6432, 20.5300,
10.4172

■ 18.6772, 14.5282,
3.1441

■ 24.4637, 23.0830,
14.3781

■ 17.8003, 13.0396,
2.0345

■ 26.5562, 25.9304,
19.1990

■ 17.1418, 11.8618,
1.3861

■ 28.9325, 29.0818,
24.9275

■ 31.6038, 32.5466,
31.6075

■ 34.5808, 36.3336,
39.2803

■ 37.8735, 40.4514,
47.9844

■ 41.4912, 44.9082,
57.7567

■ 45.4431, 49.7118,
68.6318

Harmonies

Analogous

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



24.0595, 18.2598, 11.6500



21.0812, 18.2598, 7.2639



17.4064, 18.2598, 5.9628

Triad

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



21.0812, 18.2598, 7.2639



11.3400, 18.2598, 19.7363



20.9809, 18.2598, 42.4382

Complementary

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



21.0812, 18.2598, 7.2639



15.6843, 17.6525, 37.2307

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.



17.3045, 18.2598, 46.8413



21.0812, 18.2598, 7.2639



12.0290, 18.2598, 31.2908

Square

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



21.0812, 18.2598, 7.2639



12.0690, 18.2598, 11.4739



14.0967, 18.2598, 42.1968



23.9962, 18.2598, 31.6339

Rectangle

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



21.0812, 18.2598, 7.2639



15.1489, 18.2598, 6.4881



14.0967, 18.2598, 42.1968



19.7664, 18.2598, 44.8527

Sweetspot

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



21.0816, 18.2607, 7.2642



52.9162, 53.5219, 47.3581



20.5379, 12.8935, 20.2768



11.5981, 11.6458, 9.9295



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.



21.0816, 18.2607, 7.2642



34.6469, 27.9503, 7.4588



27.4372, 30.9718, 9.3828



7.3035, 7.5454, 7.4516



13.3652, 9.3044, 1.0915



0.3269, 0.2876, 0.0383

Inverse Universe

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



15.6843, 17.6525, 37.2307



24.0714, 26.6824, 65.9376



11.1674, 8.6187, 35.7251



7.0290, 7.5170, 8.9835



8.3981, 8.5756, 28.1424



0.2215, 0.2702, 0.6063

Previews

White Background



This preview shows how the XYZ color 21.0812, 18.2598, 7.2639 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 21.0812, 18.2598, 7.2639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

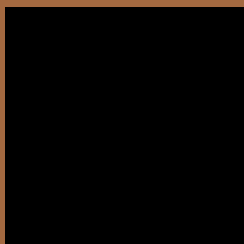
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0812, 18.2598, 7.2639

Background



This preview shows how black text looks on a background with the XYZ color 21.0812, 18.2598, 7.2639.



This preview shows how white text looks on a background with the XYZ color 21.0812, 18.2598,

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

21.0812, 18.2598, 7.2639

Protanopia

16.8769, 18.3691, 8.2863

Deuteranopia

18.6287, 18.2690, 7.1019



Tritanopia

22.9369, 18.2829, 16.2300

Trichromacy



Original Color

21.0812, 18.2598, 7.2639

Protanomaly

18.1858, 18.1907, 7.8628

Deuteranomaly

19.4220, 18.1861, 7.1893

Tritanomaly

22.1567, 18.2574, 12.2538

Monochromacy



Original Color

21.0812, 18.2598, 7.2639

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.9412, 17.7604, 14.0378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0812, 18.2598, 7.2639 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(163, 105, 64)` looks like.

```
.text, #text, p{  
    color:rgb(163, 105, 64)  
}
```

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(163, 105, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 105, 64) }
```

Border

The CSS property to change the border of an element to XYZ 21.0812, 18.2598, 7.2639 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(163, 105, 64) }
```


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

```
.border{ border-color:rgb(163, 105, 64) }
```

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

Here you see how a box with a 4 pixel rgb(163, 105, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 105, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 105, 64);  
box-shadow:4px 4px 4px 4px rgb(163, 105,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0812, 18.2598, 7.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 105, 64) }
```

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

```
.background{ background-color: rgb(163,  
105, 64) }
```

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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