

Converting Colors

XYZ(21.2672, 27.1267, 16.1718)

Have a look what the booklet for
XYZ(21.2672, 27.1267, 16.1718)
contains.

XYZ(21.2520, 27.1183, 16.1708)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2520, 27.1183,
16.1708)**

Conversions

Conversions Part 1

Format	Color
Hex	799764
RGB	121, 151, 100
RGB Percent	47%, 59%, 39%
CMY	0.5255, 0.4078, 0.6078
CMYK	0.20, 0.00, 0.34, 0.41
HSL	95°, 20%, 49%
HSV	95°, 34%, 59%
XYZ	21.2520, 27.1183, 16.1708
YIQ	136.2160, -1.5090, -22.2210

Conversions

Conversions Part 2

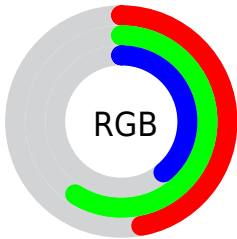
Format	Color
RYB	100, 151, 130
Decimal	7968612
CIELab	59.08, -20.16, 23.54
CIElCh	59, 30.994, 130.578
Yxy	27.1183, 0.3293, 0.4202
Android (android.graphics.Color)	4286158692 (0xFF799764)
YUV	136.2160, -17.8545, -13.3444
Hunter-Lab	52.0752, -18.2855, 18.0415

Details

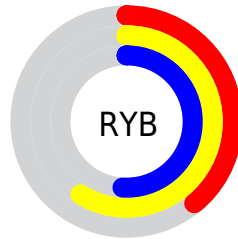
The XYZ color **21.2520, 27.1183, 16.1708** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.3502, 16.0953, 31.3665**, and the grayscale version is **23.5486, 24.7749, 26.9799**.

A 20% lighter version of the original color is **44.8728, 54.8957, 37.5090**, and **7.7755, 10.7019, 4.9047** is the 20% darker color. If you saturate the color by 10%, you get **19.3999, 26.2411, 12.6163**, and if you desaturate by 10%, it is **23.3556, 28.1111, 20.4454**.

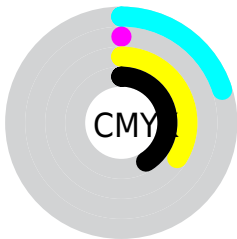
Distribution



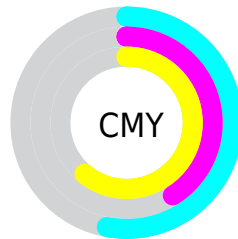
- Red (47%)
- Green (59%)
- Blue (39%)



- Red (39%)
- Yellow (59%)
- Blue (51%)



- Cyan (20%)
- Magenta (0%)
- Yellow (34%)
- Black (41%)



- Cyan (53%)
- Magenta (41%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2520, 27.1183, 16.1708 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 21.2520, 27.1183, 16.1708 by changing the saturation by 10% instead.

■ 21.2520, 27.1183,
16.1708

■ 21.2520, 27.1183,
16.1708

251.3212,
288.2295, 242.2275

■ 13.4218, 17.6621,
9.4894

■ 44.9947, 55.0736,
37.6654

■ 7.7987, 10.7077,
4.9606

■ 61.6379, 74.3416,
53.3157

■ 4.0171, 5.8706,
2.1658

■ 81.9495, 97.6488,
72.7927

■ 1.7118, 2.7666,
0.6546

■ 106.2949,
125.3799, 96.5150

■ 0.4636, 1.0111,
0.0000

135.0394,
157.9191, 124.9010

■ 0.0000, 0.0000,
0.0000

168.5484,

195.6508, 158.3695

207.1872,
238.9595, 197.3388

■ 21.2520, 27.1183,
16.1708

■ 21.2520, 27.1183,
16.1708

■ 19.3999, 26.2411,
12.6163

■ 23.3556, 28.1111,
20.4454

■ 17.7868, 25.4715,
9.7404

■ 25.7186, 29.2204,
25.4749

■ 16.4017, 24.8056,
7.5004


■ 28.3509, 30.4514,
31.2940


■ 15.2323, 24.2381,
5.8476


■ 31.2613, 31.8078,
37.9346


■ 14.2644, 23.7630,
4.7266


■ 34.4584, 33.2934,
45.4272


 13.4818, 23.3732,
4.0708

 37.9499, 34.9116,
53.8002

 13.0646, 23.1641,
3.7825

 41.7437, 36.6659,
63.0812

 45.8472, 38.5595,
73.2963

 50.2674, 40.5954,
84.4706

Harmonies

Analogous

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



24.4395, 27.1183, 13.2011



21.2520, 27.1183, 16.1708



19.4031, 27.1183, 23.0215

Triad

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



21.2520, 27.1183, 16.1708



23.3903, 27.1183, 54.3845



33.7613, 27.1183, 25.8026

Complementary

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



21.2520, 27.1183, 16.1708



19.3502, 16.0953, 31.3665

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.



33.4087, 27.1183, 37.1558



21.2520, 27.1183, 16.1708



27.1586, 27.1183, 55.6663

Square

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



21.2520, 27.1183, 16.1708



20.5499, 27.1183, 45.5827



30.8984, 27.1183, 48.7419



31.8186, 27.1183, 17.7687

Rectangle

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



21.2520, 27.1183, 16.1708



19.0567, 27.1183, 29.7416



30.8984, 27.1183, 48.7419



33.9117, 27.1183, 29.3138

Sweetspot

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



21.2527, 27.1195, 16.1714



47.6856, 53.0902, 49.1803



23.0133, 23.3993, 15.3605



10.7027, 12.0033, 10.8805



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.2527, 27.1195, 16.1714



35.3553, 47.2841, 23.7395



18.8344, 25.8484, 17.1604



6.3610, 7.0436, 6.6301



11.1447, 19.7212, 3.2192



0.2065, 0.3154, 0.0500

Inverse Universe

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



19.3502, 16.0953, 31.3665



31.3777, 24.2651, 55.4635



22.5676, 17.7931, 29.7474



6.2151, 6.1968, 7.7975



8.2759, 3.7174, 25.1891



0.1649, 0.0768, 0.3785

Previews

White Background



This preview shows how the XYZ color 21.2520, 27.1183, 16.1708 looks on a white 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

Black Background



This preview shows how the XYZ color 21.2520, 27.1183, 16.1708 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 21.2520, 27.1183, 16.1708

Background



This preview shows how black text looks on a background with the XYZ color 21.2520, 27.1183, 16.1708.



This preview shows how white text looks on a background with the XYZ color 21.2520, 27.1183,

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

21.2520, 27.1183, 16.1708

Protanopia

25.1107, 27.0606, 14.9661

Deuteranopia

27.4008, 26.9124, 16.5824



Tritanopia

25.0273, 27.0139, 35.3476

Trichromacy



Original Color

21.2520, 27.1183, 16.1708

Protanomaly

23.4384, 26.8646, 15.2593

Deuteranomaly

24.6856, 26.5884, 16.4014

Tritanomaly

23.4818, 27.0806, 27.2820

Monochromacy



Original Color

21.2520, 27.1183, 16.1708

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.4601, 25.3051, 22.4395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2520, 27.1183, 16.1708 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(121, 151, 100)` looks like.

```
.text, #text, p{  
    color:rgb(121, 151, 100)  
}
```

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(121, 151, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 151, 100) }
```

Border

The CSS property to change the border of an element to XYZ 21.2520, 27.1183, 16.1708 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(121, 151, 100) }
```


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

```
.border{ border-color:rgb(121, 151, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 151, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 151, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 151, 100);  
box-shadow:4px 4px 4px 4px rgb(121, 151,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2520, 27.1183, 16.1708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 151, 100) }
```

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

```
.background{ background-color: rgb(121,  
151, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor