

Converting Colors

XYZ(21.5051, 27.3363, 6.3459)

Have a look what the booklet for
XYZ(21.5051, 27.3363, 6.3459)
contains.

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Color

**XYZ(21.4776, 27.2141,
6.3113)**

Conversions

Conversions Part 1

Format	Color
Hex	88962A
RGB	136, 150, 42
RGB Percent	53%, 59%, 16%
CMY	0.4667, 0.4117, 0.8353
CMYK	0.09, 0.00, 0.72, 0.41
HSL	68°, 56%, 38%
HSV	68°, 72%, 59%
XYZ	21.4776, 27.2141, 6.3113
YIQ	133.5020, 26.3240, -36.5560

Conversions

Conversions Part 2

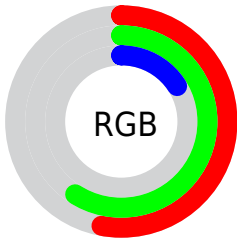
Format	Color
RYB	42, 150, 56
Decimal	8951338
CIELab	59.17, -19.47, 52.21
CIELCh	59, 55.718, 110.454
Yxy	27.2141, 0.3905, 0.4948
Android (android.graphics.Color)	4287141418 (0xFF88962A)
YUV	133.5020, -45.1105, 2.1907
Hunter-Lab	52.1671, -17.8027, 29.3440

Details

The XYZ color **21.4776, 27.2141, 6.3113** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.9647, 4.6993, 29.3431**, and the grayscale version is **22.6313, 23.8098, 25.9289**.

A 20% lighter version of the original color is **45.3967, 55.2184, 19.0920**, and **8.0291, 10.7627, 1.6542** is the 20% darker color. If you saturate the color by 10%, you get **20.9450, 26.9659, 5.1381**, and if you desaturate by 10%, it is **22.1177, 27.5079, 8.0152**.

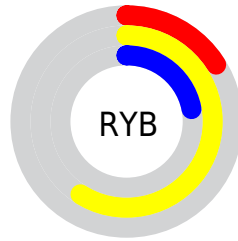
Distribution



Red (53%)

Green (59%)

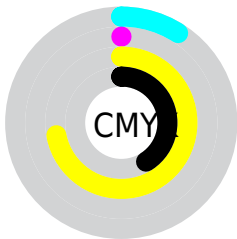
Blue (16%)



Red (16%)

Yellow (59%)

Blue (22%)

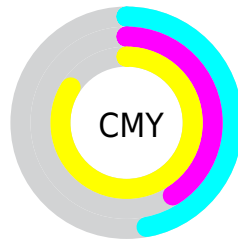


Cyan (9%)

Magenta (0%)

Yellow (72%)

Black (41%)



Cyan (47%)

Magenta (41%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4776, 27.2141, 6.3113 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 21.4776, 27.2141, 6.3113 by changing the saturation by 10% instead.

■ 21.4776, 27.2141,
6.3113

■ 21.4776, 27.2141,
6.3113

252.4899,
288.6923, 171.2195

■ 13.5880, 17.7341,
2.9634

■ 45.3664, 55.2272,
19.0624

■ 7.9145, 10.7592,
1.0760

■ 62.0962, 74.5291,
29.3027

■ 4.0916, 5.9052,
0.0000

■ 82.5036, 97.8738,
42.6776

■ 1.7541, 2.7875,
0.0000

■ 106.9538,
125.6456, 59.6056

■ 0.4898, 1.0218,
0.0000

■ 135.8121,
158.2290, 80.5053

■ 0.0000, 0.0000,
0.0000

■ 169.4440,

196.0083, 105.7951

208.2148,
239.3679, 135.8937

■ 21.4776, 27.2141,
6.3113

■ 21.4776, 27.2141,
6.3113

■ 20.9450, 26.9659,
5.1381

■ 22.1177, 27.5079,
8.0152

■ 20.5062, 26.7549,
4.4313

■ 22.8735, 27.8478,
10.3012

■ 20.1980, 26.6036,
4.0705

■ 23.7545, 28.2383,
13.2163

■ 24.7687, 28.6828,
16.8025

■ 25.9234, 29.1842,
21.0981

■ 27.2254, 29.7452,
26.1383

■ 28.6809, 30.3683,
31.9563

■ 30.2959, 31.0559,
38.5831

■ 32.0759, 31.8101,
46.0480

Harmonies

Analogous

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



28.1427, 27.2141, 5.6641



21.4776, 27.2141, 6.3113



16.8806, 27.2141, 11.3521

Triad

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



21.4776, 27.2141, 6.3113



18.2665, 27.2141, 69.9493



41.3830, 27.2141, 36.4315

Complementary

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



21.4776, 27.2141, 6.3113



7.9647, 4.6993, 29.3431

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.



37.5807, 27.2141, 61.2310



21.4776, 27.2141, 6.3113



23.7158, 27.2141, 85.5537

Square

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



21.4776, 27.2141, 6.3113



15.2698, 27.2141, 45.0935



30.8152, 27.2141, 81.7973



40.4914, 27.2141, 18.1824

Rectangle

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



21.4776, 27.2141, 6.3113



15.2189, 27.2141, 18.5968



30.8152, 27.2141, 81.7973



40.5891, 27.2141, 44.3440

Sweetspot

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



21.4782, 27.2153, 6.3119



45.6525, 51.4602, 36.8747



14.3438, 9.3464, 3.2388



10.0041, 11.3553, 7.7452



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.4782, 27.2153, 6.3119



36.5013, 47.3663, 8.2637



14.9279, 23.8385, 6.0053



6.1922, 6.7069, 6.2087



16.7697, 22.0730, 3.3767



0.2218, 0.2787, 0.0421

Inverse Universe

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



7.9647, 4.6993, 29.3431



11.3644, 5.3226, 51.3496



12.5914, 7.0844, 29.5596



5.5653, 5.6669, 7.2702



4.8125, 1.9535, 24.0545



0.0724, 0.0309, 0.2950

Previews

White Background



This preview shows how the XYZ color 21.4776, 27.2141, 6.3113 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 21.4776, 27.2141, 6.3113 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 21.4776, 27.2141, 6.3113

Background



This preview shows how black text looks on a background with the XYZ color 21.4776, 27.2141, 6.3113.



This preview shows how white text looks on a background with the XYZ color 21.4776, 27.2141,

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

21.4776, 27.2141, 6.3113

Protanopia

24.7027, 27.2717, 5.9695

Deuteranopia

27.5576, 27.0063, 6.5566



Tritanopia

26.8181, 27.1015, 33.0958

Trichromacy



Original Color

21.4776, 27.2141, 6.3113

Protanomaly

23.4416, 27.2972, 6.1312

Deuteranomaly

24.9755, 26.7400, 6.4297

Tritanomaly

23.9978, 26.8450, 18.9557

Monochromacy



Original Color

21.4776, 27.2141, 6.3113

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.7187, 24.8466, 15.9631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4776, 27.2141, 6.3113 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(136, 150, 42)` looks like.

```
.text, #text, p{  
    color:rgb(136, 150, 42)  
}
```

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(136, 150, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 150, 42) }
```

Border

The CSS property to change the border of an element to XYZ 21.4776, 27.2141, 6.3113 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(136, 150, 42) }
```


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

```
.border{ border-color:rgb(136, 150, 42) }
```

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

Here you see how a box with a 4 pixel rgb(136, 150, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 150, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 150, 42);  
box-shadow:4px 4px 4px 4px rgb(136, 150,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4776, 27.2141, 6.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 150, 42) }
```

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

```
.background{ background-color: rgb(136,  
150, 42) }
```

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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