

Converting Colors

XYZ(21.4306, 27.1626, 28.2916)

Have a look what the booklet for
XYZ(21.4306, 27.1626, 28.2916)
contains.

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Color

**XYZ(21.4092, 27.1750,
28.1617)**

Conversions

Conversions Part 1

Format	Color
Hex	67988A
RGB	103, 152, 138
RGB Percent	40%, 60%, 54%
CMY	0.5961, 0.4039, 0.4588
CMYK	0.32, 0.00, 0.09, 0.40
HSL	163°, 19%, 50%
HSV	163°, 32%, 60%
XYZ	21.4092, 27.1750, 28.1617
YIQ	135.7530, -24.7100, -14.7420

Conversions

Conversions Part 2

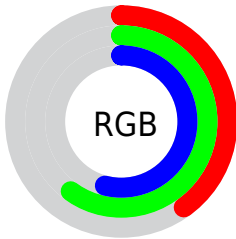
Format	Color
RYB	103, 132, 152
Decimal	6789258
CIELab	59.14, -19.64, 2.12
CIElCh	59, 19.754, 173.847
Yxy	27.1750, 0.2790, 0.3541
Android (android.graphics.Color)	4284979338 (0xFF67988A)
YUV	135.7530, 1.1078, -28.7244
Hunter-Lab	52.1296, -17.9185, 4.4609

Details

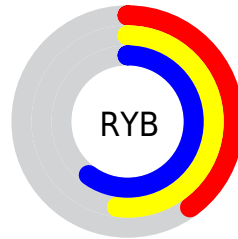
The XYZ color **21.4092, 27.1750, 28.1617** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.0110, 17.6610, 19.1322**, and the grayscale version is **23.3126, 24.5267, 26.7095**.

A 20% lighter version of the original color is **45.1856, 54.9721, 57.5194**, and **7.8833, 10.7688, 10.8956** is the 20% darker color. If you saturate the color by 10%, you get **19.5137, 26.2342, 26.4646**, and if you desaturate by 10%, it is **23.6358, 28.2865, 29.9411**.

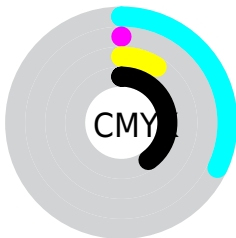
Distribution



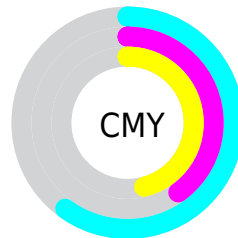
- Red (40%)
- Green (60%)
- Blue (54%)



- Red (40%)
- Yellow (52%)
- Blue (60%)



- Cyan (32%)
- Magenta (0%)
- Yellow (9%)
- Black (40%)



- Cyan (60%)
- Magenta (40%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4092, 27.1750, 28.1617 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 21.4092, 27.1750, 28.1617 by changing the saturation by 10% instead.

■ 21.4092, 27.1750,
28.1617

■ 21.4092, 27.1750,
28.1617

252.1360,
288.5034, 307.1750

■ 13.5376, 17.7047,
18.2075

■ 45.2537, 55.1646,
57.7687

■ 7.8793, 10.7382,
10.9281

■ 61.9574, 74.4526,
78.2586

■ 4.0690, 5.8911,
5.9049

■ 82.3358, 97.7820,
103.0974

■ 1.7412, 2.7790,
2.7195

■ 106.7542,
125.5372, 132.7038

■ 0.4819, 1.0174,
0.9532

135.5781,
158.1025, 167.4961

■ 0.0000, 0.0000,
0.0000

169.1728,

195.8624, 207.8931

207.9037,
239.2013, 254.3132

■ 21.4092, 27.1750,
28.1617

■ 21.4092, 27.1750,
28.1617

■ 19.5137, 26.2342,
26.4646

■ 23.6358, 28.2865,
29.9411

■ 17.9296, 25.4517,
24.8463

■ 26.2072, 29.5736,
31.8026

■ 16.6388, 24.8190,
23.3060

■ 29.1392, 31.0451,
33.7480

■ 15.6202, 24.3253,
21.8417

■ 32.4458, 32.7082,
35.7788

■ 14.8497, 23.9580,
20.4516

■ 36.1404, 34.5697,
37.8963

■ 14.2989, 23.7027,
19.1335

■ 40.2355, 36.6363,
40.1019

■ 13.9659, 23.5523,
18.1567

■ 44.7433, 38.9140,
42.3967

■ 49.6752, 41.4088,
44.7820

■ 55.0425, 44.1264,
47.2590

Harmonies

Analogous

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



22.1977, 27.1750, 22.3005



21.4092, 27.1750, 28.1617



21.7429, 27.1750, 35.4056

Triad

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



21.4092, 27.1750, 28.1617



27.7873, 27.1750, 43.7759



28.7188, 27.1750, 19.9501

Complementary

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



21.4092, 27.1750, 28.1617



21.0110, 17.6610, 19.1322

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.



30.3974, 27.1750, 24.4470



21.4092, 27.1750, 28.1617



29.8362, 27.1750, 38.3141

Square

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



21.4092, 27.1750, 28.1617



25.3257, 27.1750, 45.1900



30.8188, 27.1750, 31.0636



26.3389, 27.1750, 18.0685

Rectangle

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



21.4092, 27.1750, 28.1617



22.5682, 27.1750, 39.9909



30.8188, 27.1750, 31.0636



29.3897, 27.1750, 21.1680

Sweetspot

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



21.4100, 27.1761, 28.1623



47.2609, 52.7017, 56.8216



21.1078, 27.2675, 16.9831



10.5966, 11.9056, 12.8155



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.



21.4100, 27.1761, 28.1623



35.2191, 46.6891, 47.4402



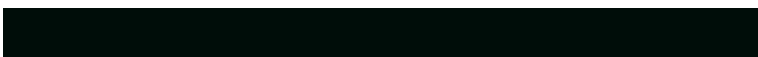
20.9646, 24.5571, 33.3421



6.3093, 6.9964, 7.5521



11.7234, 19.7528, 15.2958



0.1906, 0.3015, 0.3096

Inverse Universe

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



21.0110, 17.6610, 19.1322



34.4020, 27.1039, 28.8738



21.2808, 19.4211, 15.4595



6.2778, 6.2503, 6.8428



11.2417, 5.7509, 2.5317



0.1823, 0.0917, 0.1127

Previews

White Background



This preview shows how the XYZ color 21.4092, 27.1750, 28.1617 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 21.4092, 27.1750, 28.1617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

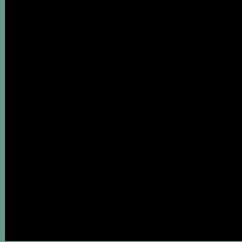
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4092, 27.1750, 28.1617

Background



This preview shows how black text looks on a background with the XYZ color 21.4092, 27.1750, 28.1617.



This preview shows how white text looks on a background with the XYZ color 21.4092, 27.1750,

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

21.4092, 27.1750, 28.1617

Protanopia

25.7224, 26.9187, 25.6699

Deuteranopia

27.4637, 26.8823, 28.9406



Tritanopia

23.3648, 27.2562, 37.7477

Trichromacy



Original Color

21.4092, 27.1750, 28.1617

Protanomaly

23.7885, 26.7973, 26.4729

Deuteranomaly

24.7232, 26.5578, 28.6341

Tritanomaly

22.6000, 27.1768, 34.1915

Monochromacy



Original Color

21.4092, 27.1750, 28.1617

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.5005, 25.4372, 27.3909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4092, 27.1750, 28.1617 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(103, 152, 138)` looks like.

```
.text, #text, p{  
    color:rgb(103, 152, 138)  
}
```

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(103, 152, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 152, 138) }
```

Border

The CSS property to change the border of an element to XYZ 21.4092, 27.1750, 28.1617 is called "border". The border property can be set on classes, ids or directly on the HTML element.

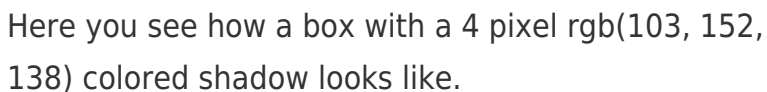
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 152, 138) }
```


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

```
.border{ border-color:rgb(103, 152, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 152, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 152, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 152, 138);  
box-shadow:4px 4px 4px 4px rgb(103, 152,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4092, 27.1750, 28.1617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 152, 138) }
```

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

```
.background{ background-color: rgb(103,  
152, 138) }
```

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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