

Converting Colors

XYZ(21.3968, 27.8996, 27.4479)

Have a look what the booklet for
XYZ(21.3968, 27.8996, 27.4479)
contains.

XYZ(21.4208, 27.9296, 27.5545)	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(21.4208, 27.9296,
27.5545)**

Conversions

Conversions Part 1

Format	Color
Hex	649B88
RGB	100, 155, 136
RGB Percent	39%, 61%, 53%
CMY	0.6078, 0.3921, 0.4667
CMYK	0.35, 0.00, 0.12, 0.39
HSL	159°, 22%, 50%
HSV	159°, 35%, 61%
XYZ	21.4208, 27.9296, 27.5545
YIQ	136.3890, -26.6810, -17.5690

Conversions

Conversions Part 2

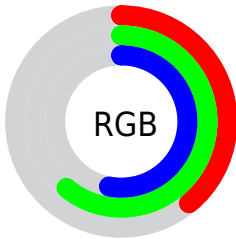
Format	Color
RYB	100, 133, 155
Decimal	6593416
CIELab	59.83, -22.56, 4.23
CIELCh	60, 22.948, 169.383
Yxy	27.9296, 0.2785, 0.3632
Android (android.graphics.Color)	4284783496 (0xFF649B88)
YUV	136.3890, -0.1918, -31.9132
Hunter-Lab	52.8485, -20.1343, 6.0809

Details

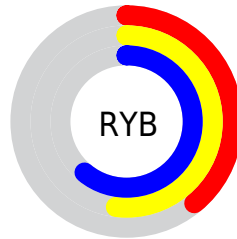
The XYZ color **21.4208, 27.9296, 27.5545** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.4055, 17.4155, 19.6872**, and the grayscale version is **23.5561, 24.7829, 26.9886**.

A 20% lighter version of the original color is **45.3688, 56.5396, 56.6662**, and **7.9454, 11.2506, 10.5569** is the 20% darker color. If you saturate the color by 10%, you get **19.4958, 26.9809, 25.5275**, and if you desaturate by 10%, it is **23.6925, 29.0564, 29.6982**.

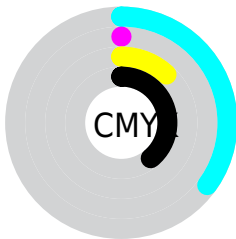
Distribution



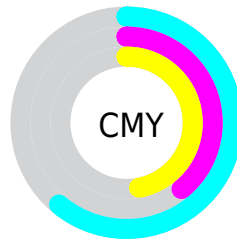
- Red (39%)
- Green (61%)
- Blue (53%)



- Red (39%)
- Yellow (52%)
- Blue (61%)



- Cyan (35%)
- Magenta (0%)
- Yellow (12%)
- Black (39%)



- Cyan (61%)
- Magenta (39%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4208, 27.9296, 27.5545 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 21.4208, 27.9296, 27.5545 by changing the saturation by 10% instead.

■ 21.4208, 27.9296,
27.5545

■ 21.4208, 27.9296,
27.5545

252.1960,
292.1304, 304.1767

■ 13.5461, 18.2726,
17.7540

■ 45.2728, 56.3720,
56.7869

■ 7.8853, 11.1459,
10.6059

■ 61.9809, 75.9262,
77.0559

■ 4.0728, 6.1650,
5.6917

■ 82.3642, 99.5483,
101.6514

■ 1.7434, 2.9457,
2.5928

■ 106.7881,
127.6226, 130.9921

■ 0.4832, 1.1034,
0.8887

135.6178,
160.5336, 165.4964

■ 0.0000, 0.0000,
0.0000

169.2188,

198.6656, 205.5829

207.9564,
242.4031, 251.6701

■ 21.4208, 27.9296,
27.5545

■ 21.4208, 27.9296,
27.5545

■ 19.4958, 26.9809,
25.5275

■ 23.6925, 29.0564,
29.6982

■ 17.8965, 26.1971,
23.6130

■ 26.3261, 30.3667,
31.9590

■ 16.6028, 25.5688,
21.8092

■ 29.3384, 31.8700,
34.3395

■ 15.5917, 25.0840,
20.1135

■ 32.7446, 33.5741,
36.8418

■ 14.8364, 24.7290,
18.5231

■ 36.5590, 35.4864,
39.4681

■ 14.3016, 24.4857,
17.0348

■ 40.7952, 37.6137,
42.2200

■ 14.0931, 24.3922,
16.3939

■ 45.4661, 39.9627,
45.0997

■ 50.5842, 42.5399,
48.1088

■ 56.1613, 45.3513,
51.2491

Harmonies

Analogous

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



22.5239, 27.9296, 21.1313



21.4208, 27.9296, 27.5545



21.6131, 27.9296, 36.0411

Triad

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



21.4208, 27.9296, 27.5545



28.4456, 27.9296, 48.1567



30.3554, 27.9296, 19.8022

Complementary

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



21.4208, 27.9296, 27.5545



21.4055, 17.4155, 19.6872

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.



32.1781, 27.9296, 25.3993



21.4208, 27.9296, 27.5545



31.0211, 27.9296, 42.0726

Square

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



21.4208, 27.9296, 27.5545



25.5293, 27.9296, 49.0226



32.4303, 27.9296, 33.4575



27.5899, 27.9296, 17.2299

Rectangle

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



21.4208, 27.9296, 27.5545



22.4546, 27.9296, 41.7455



32.4303, 27.9296, 33.4575



31.1070, 27.9296, 21.3392

Sweetspot

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



21.4216, 27.9307, 27.5551



49.3638, 55.4876, 59.0263



21.6646, 28.3036, 16.3783



11.0235, 12.4847, 13.2407



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.4216, 27.9307, 27.5551



35.4398, 48.5768, 46.2985



21.5677, 25.8667, 34.8677



6.2939, 6.9903, 7.4709



11.3375, 19.5985, 13.2640



0.1865, 0.2998, 0.2877

Inverse Universe

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



21.4055, 17.4155, 19.6872



35.4113, 26.7386, 29.9830



21.2076, 18.6673, 14.5424



6.2925, 6.2562, 6.9204



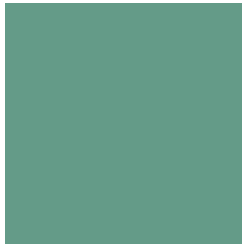
11.4003, 5.8144, 3.3670



0.1865, 0.0933, 0.1347

Previews

White Background



This preview shows how the XYZ color 21.4208, 27.9296, 27.5545 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 21.4208, 27.9296, 27.5545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

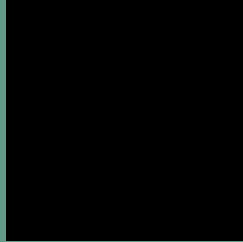
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4208, 27.9296, 27.5545

Background



This preview shows how black text looks on a background with the XYZ color 21.4208, 27.9296, 27.5545.

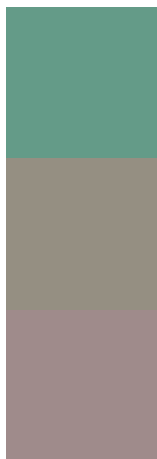


This preview shows how white text looks on a background with the XYZ color 21.4208, 27.9296,

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

21.4208, 27.9296, 27.5545

Protanopia

26.2462, 27.6462, 25.0720

Deuteranopia

28.1909, 27.7002, 28.2870



Tritanopia

23.6213, 27.8417, 38.7793

Trichromacy



Original Color

21.4208, 27.9296, 27.5545

Protanomaly

23.9586, 27.3587, 25.8478

Deuteranomaly

25.1941, 27.4890, 28.0228

Tritanomaly

22.6869, 27.6994, 34.2878

Monochromacy



Original Color

21.4208, 27.9296, 27.5545

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.4348, 25.6334, 27.0579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4208, 27.9296, 27.5545 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(100, 155, 136)` looks like.

```
.text, #text, p{  
    color:rgb(100, 155, 136)  
}
```

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(100, 155, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 155, 136) }
```

Border

The CSS property to change the border of an element to XYZ 21.4208, 27.9296, 27.5545 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(100, 155, 136) }
```


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

```
.border{ border-color:rgb(100, 155, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 155, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 155, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 155, 136);  
box-shadow:4px 4px 4px 4px rgb(100, 155,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4208, 27.9296, 27.5545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 155, 136) }
```

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

```
.background{ background-color: rgb(100,  
155, 136) }
```

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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