

Converting Colors

XYZ(21.3438, 27.5905, 38.8515)

Have a look what the booklet for
XYZ(21.3438, 27.5905, 38.8515)
contains.

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Color

**XYZ(21.3928, 27.6648,
38.8627)**

Conversions

Conversions Part 1

Format	Color
Hex	4D9BA3
RGB	77, 155, 163
RGB Percent	30%, 61%, 64%
CMY	0.6980, 0.3921, 0.3608
CMYK	0.53, 0.05, 0.00, 0.36
HSL	186°, 36%, 47%
HSV	186°, 53%, 64%
XYZ	21.3928, 27.6648, 38.8627
YIQ	132.5900, -49.0560, -14.0480

Conversions

Conversions Part 2

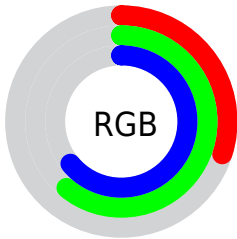
Format	Color
R_{YB}	77, 118, 163
Decimal	5086115
CIE _{Lab}	59.58, -21.65, -11.55
CIE _{LCh}	60, 24.540, 208.079
Yxy	27.6648, 0.2433, 0.3147
Android (android.graphics.Color)	4283276195 (0xFF4D9BA3)
YUV	132.5900, 14.9921, -48.7524
Hunter-Lab	52.5973, -19.4444, -6.9896

Details

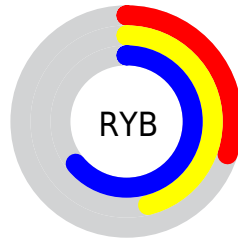
The XYZ color **21.3928, 27.6648, 38.8627** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.6930, 14.8200, 8.8446**, and the grayscale version is **22.1063, 23.2576, 25.3275**.

A 20% lighter version of the original color is **45.3743, 56.1417, 74.7746**, and **7.8947, 11.0870, 16.7628** is the 20% darker color. If you saturate the color by 10%, you get **19.9883, 26.5691, 38.7257**, and if you desaturate by 10%, it is **23.1317, 28.9388, 39.0175**.

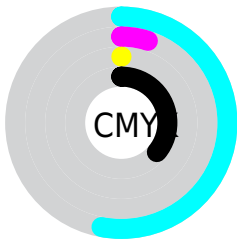
Distribution



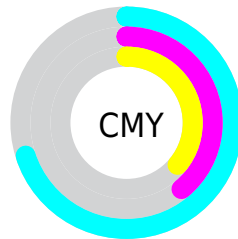
- Red (30%)
- Green (61%)
- Blue (64%)



- Red (30%)
- Yellow (46%)
- Blue (64%)



- Cyan (53%)
- Magenta (5%)
- Yellow (0%)
- Black (36%)



- Cyan (70%)
- Magenta (39%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3928, 27.6648, 38.8627 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 21.3928, 27.6648, 38.8627 by changing the saturation by 10% instead.

■ 21.3928, 27.6648,
38.8627

■ 21.3928, 27.6648,
38.8627

252.0511,
290.8617, 356.7149

■ 13.5255, 18.0731,
26.3459

■ 45.2267, 55.9488,
74.6466

■ 7.8709, 11.0025,
16.8545

■ 61.9241, 75.4100,
98.7507

■ 4.0636, 6.0685,
9.9700

■ 82.2955, 98.9298,
127.5544

■ 1.7382, 2.8868,
5.2737

■ 106.7063,
126.8925, 161.4762

■ 0.4800, 1.0729,
2.3472

■ 135.5220,
159.6827, 200.9346

■ 0.0000, 0.0000,
0.7575

169.1077,

■ 0.0000, 0.0000,

197.6847, 246.3481

0.0000

207.8290,
241.2829, 298.1354

■ 21.3928, 27.6648,
38.8627

■ 21.3928, 27.6648,
38.8627

■ 19.9883, 26.5691,
38.7257

■ 23.1317, 28.9388,
39.0175

■ 18.8905, 25.6357,
38.6034

■ 25.2251, 30.3996,
39.1891

■ 18.0717, 24.8506,
38.4951

■ 27.6942, 32.0589,
39.3792

■ 17.4975, 24.1964,
38.3990

■ 30.5580, 33.9264,
39.5887

■ 17.1758, 23.7741,
38.3345

■ 33.8343, 36.0113,
39.8185

■ 37.5397, 38.3222,
40.0692

■ 41.6897, 40.8671,
40.3417

■ 46.2993, 43.6538,
40.6367

■ 51.3827, 46.6896,
40.9547

Harmonies

Analogous

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



20.7920, 27.6648, 29.5553



21.3928, 27.6648, 38.8627



23.2763, 27.6648, 46.9972

Triad

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



21.3928, 27.6648, 38.8627



31.6671, 27.6648, 40.0456



26.4943, 27.6648, 16.1150

Complementary

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



21.3928, 27.6648, 38.8627



19.6930, 14.8200, 8.8446

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.



29.5631, 27.6648, 17.8643



21.3928, 27.6648, 38.8627



32.6913, 27.6648, 30.6964

Square

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



21.3928, 27.6648, 38.8627



29.1916, 27.6648, 47.7689



31.8931, 27.6648, 22.8017



23.5958, 27.6648, 17.4646

Rectangle

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



21.3928, 27.6648, 38.8627



25.0862, 27.6648, 50.0282



31.8931, 27.6648, 22.8017



27.5411, 27.6648, 16.3517

Sweetspot

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



21.3936, 27.6659, 38.8634



52.8286, 59.5316, 70.7625



17.7653, 28.4155, 12.9711



11.6391, 13.2233, 15.8764



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.



21.3936, 27.6659, 38.8634



35.4874, 47.3297, 69.3213



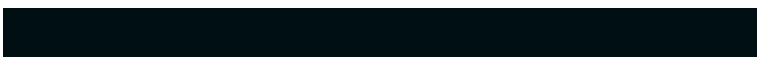
15.5588, 15.9961, 36.9184



7.2196, 7.8981, 9.0470



13.3662, 18.5118, 29.7984



0.2961, 0.4194, 0.6312

Inverse Universe

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



23.6753, 15.4617, 32.7480



40.1347, 23.5731, 56.6186



24.0555, 23.5450, 10.2988



7.3358, 7.1908, 8.7547



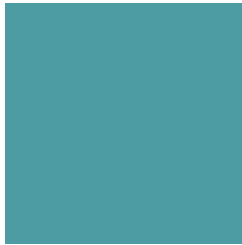
15.8921, 7.7129, 22.4202



0.3416, 0.1651, 0.5115

Previews

White Background



This preview shows how the XYZ color 21.3928, 27.6648, 38.8627 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 21.3928, 27.6648, 38.8627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

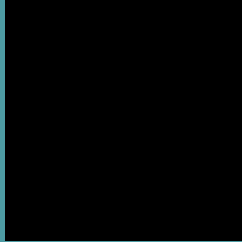
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3928, 27.6648, 38.8627

Background



This preview shows how black text looks on a background with the XYZ color 21.3928, 27.6648, 38.8627.

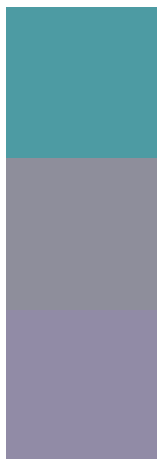


This preview shows how white text looks on a background with the XYZ color 21.3928, 27.6648,

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

21.3928, 27.6648, 38.8627

Protanopia

26.7447, 27.4633, 34.9017

Deuteranopia

27.7926, 27.2382, 39.8691



Tritanopia

21.6725, 27.5209, 40.7290

Trichromacy



Original Color

21.3928, 27.6648, 38.8627

Protanomaly

24.0765, 27.1876, 36.3265

Deuteranomaly

24.6627, 26.9605, 39.5013

Tritanomaly

21.5804, 27.4841, 40.2439

Monochromacy



Original Color

21.3928, 27.6648, 38.8627

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.3690, 24.5741, 30.0026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3928, 27.6648, 38.8627 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(77, 155, 163)` looks like.

```
.text, #text, p{  
    color:rgb(77, 155, 163)  
}
```

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(77, 155, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 155, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.3928, 27.6648, 38.8627 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(77, 155, 163) }
```


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

```
.border{ border-color:rgb(77, 155, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 155, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 155, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 155, 163);  
box-shadow:4px 4px 4px 4px rgb(77, 155,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3928, 27.6648, 38.8627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 155, 163) }
```

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

```
.background{ background-color: rgb(77, 155,  
163) }
```

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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