

Converting Colors

XYZ(15.9102, 21.1464, 27.2558)

Have a look what the booklet for
XYZ(15.9102, 21.1464, 27.2558)
contains.

XYZ(15.9227, 21.1702, 27.2918)	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(15.9227, 21.1702,
27.2918)**

Conversions

Conversions Part 1

Format	Color
Hex	428A8A
RGB	66, 138, 138
RGB Percent	26%, 54%, 54%
CMY	0.7412, 0.4588, 0.4588
CMYK	0.52, 0.00, 0.00, 0.46
HSL	180°, 35%, 40%
HSV	180°, 52%, 54%
XYZ	15.9227, 21.1702, 27.2918
YIQ	116.4720, -42.9120, -15.2640

Conversions

Conversions Part 2

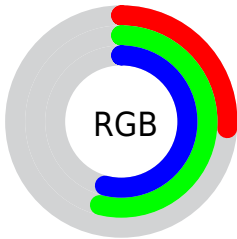
Format	Color
R_{YB}	66, 102, 138
Decimal	4360842
CIE _{Lab}	53.14, -22.36, -6.90
CIE _{LCh}	53, 23.406, 197.153
Y _{xy}	21.1702, 0.2473, 0.3288
Android (android.graphics.Color)	4282550922 (0xFF428A8A)
YUV	116.4720, 10.6133, -44.2639
Hunter-Lab	46.0111, -18.7473, -2.9605

Details

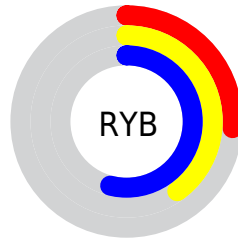
The XYZ color **15.9227, 21.1702, 27.2918** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.4135, 9.6937, 6.3191**, and the grayscale version is **16.7238, 17.5948, 19.1607**.

A 20% lighter version of the original color is **35.9993, 45.4539, 56.1663**, and **5.2512, 7.6840, 10.4389** is the 20% darker color. If you saturate the color by 10%, you get **15.1030, 20.7481, 27.2538**, and if you desaturate by 10%, it is **16.9681, 21.7096, 27.3413**.

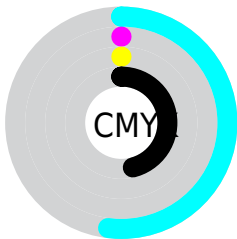
Distribution



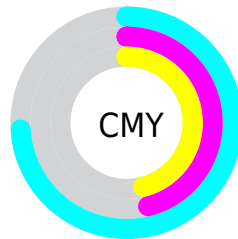
- Red (26%)
- Green (54%)
- Blue (54%)



- Red (26%)
- Yellow (40%)
- Blue (54%)



- Cyan (52%)
- Magenta (0%)
- Yellow (0%)
- Black (46%)



- Cyan (74%)
- Magenta (46%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9227, 21.1702, 27.2918 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 15.9227, 21.1702, 27.2918 by changing the saturation by 10% instead.

■ 15.9227, 21.1702,
27.2918

■ 15.9227, 21.1702,
27.2918

222.1645,
258.1816, 302.8720

■ 9.5600, 13.2485,
17.5581

■ 36.0225, 45.3706,
56.3612

■ 5.1682, 7.5999,
10.4671

■ 50.4903, 62.4181,
76.5340

■ 2.3821, 3.8400,
5.6001

■ 68.3904, 83.2763,
101.0235

■ 0.8362, 1.5845,
2.5386

■ 90.0883, 108.3296,
130.2484

■ 0.0000, 0.3471,
0.8605

■ 115.9493,
137.9624, 164.6271

■ 0.0000, 0.0000,
0.0000

146.3388,

172.5590, 204.5783

181.6221,
212.5040, 250.5204

■ 15.9227, 21.1702,
27.2918

■ 15.9227, 21.1702,
27.2918

■ 15.1030, 20.7481,
27.2538

■ 16.9681, 21.7096,
27.3413

■ 14.4906, 20.4324,
27.2250

■ 18.2519, 22.3715,
27.4015

■ 14.0675, 20.2143,
27.2051

■ 19.7885, 23.1636,
27.4735

■ 13.8117, 20.0824,
27.1931

■ 21.5902, 24.0924,
27.5579

■ 13.6762, 20.0126,
27.1867

■ 23.6688, 25.1640,
27.6553

■ 26.0353, 26.3839,
27.7661

■ 28.7000, 27.7576,
27.8909

■ 31.6728, 29.2901,
28.0302

■ 34.9631, 30.9864,
28.1843

Harmonies

Analogous

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



15.8440, 21.1702, 20.1614



15.9227, 21.1702, 27.2918



17.0665, 21.1702, 34.5084

Triad

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



15.9227, 21.1702, 27.2918



23.8019, 21.1702, 33.5730



21.1944, 21.1702, 12.1846

Complementary

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



15.9227, 21.1702, 27.2918



13.4135, 9.6937, 6.3191

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.



23.5213, 21.1702, 14.4597



15.9227, 21.1702, 27.2918



25.1073, 21.1702, 26.2038

Square

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



15.9227, 21.1702, 27.2918



21.5526, 21.1702, 38.6123



25.0006, 21.1702, 19.2735



18.7555, 21.1702, 12.3581

Rectangle

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



15.9227, 21.1702, 27.2918



18.3363, 21.1702, 37.9652



25.0006, 21.1702, 19.2735



22.0193, 21.1702, 12.6651

Sweetspot

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



15.9233, 21.1710, 27.2923



36.6728, 41.7529, 48.5091



12.4010, 19.7715, 8.3175



8.1012, 9.3009, 10.8745



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.9233, 21.1710, 27.2923



26.3558, 36.4343, 48.0255



11.7051, 12.7343, 25.8867



5.1728, 5.6886, 6.4312



12.5387, 18.3481, 24.9254



0.0833, 0.1219, 0.1656

Inverse Universe

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



13.4135, 9.6937, 6.3191



21.4106, 13.8198, 6.7006



16.0997, 15.0660, 7.2143



5.0329, 5.0486, 5.2616



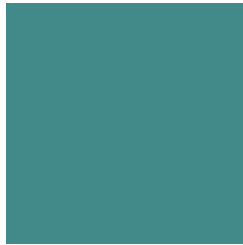
9.6098, 4.9541, 0.4498



0.0638, 0.0329, 0.0030

Previews

White Background



This preview shows how the XYZ color 15.9227, 21.1702, 27.2918 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 15.9227, 21.1702, 27.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

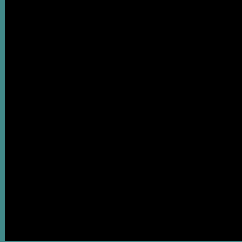
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.9227, 21.1702, 27.2918

Background



This preview shows how black text looks on a background with the XYZ color 15.9227, 21.1702, 27.2918.

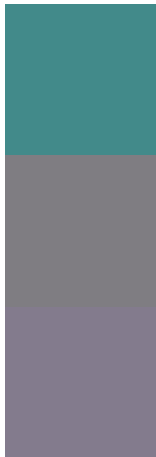


This preview shows how white text looks on a background with the XYZ color 15.9227, 21.1702,

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

15.9227, 21.1702, 27.2918

Protanopia

20.1153, 20.7910, 24.0720

Deuteranopia

21.2508, 20.9143, 28.1161



Tritanopia

16.7452, 21.2946, 31.2447

Trichromacy



Original Color

15.9227, 21.1702, 27.2918

Protanomaly

18.0420, 20.6620, 25.2275

Deuteranomaly

18.5162, 20.4576, 27.7837

Tritanomaly

16.3636, 21.1339, 29.6024

Monochromacy



Original Color

15.9227, 21.1702, 27.2918

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.8827, 18.4672, 21.7962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9227, 21.1702, 27.2918 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(66, 138, 138)` looks like.

```
.text, #text, p{  
    color:rgb(66, 138, 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(66, 138, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 138, 138) }
```

Border

The CSS property to change the border of an element to XYZ 15.9227, 21.1702, 27.2918 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(66, 138, 138) }
```


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

```
.border{ border-color:rgb(66, 138, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 138, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 138, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 138, 138);  
box-shadow:4px 4px 4px 4px rgb(66, 138,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9227, 21.1702, 27.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 138, 138) }
```

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

```
.background{ background-color: rgb(66, 138,  
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](#).

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