

Converting Colors

XYZ(20.9589, 27.8169, 41.8013)

Have a look what the booklet for
XYZ(20.9589, 27.8169, 41.8013)
contains.

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Color

**XYZ(21.0220, 27.9083,
41.8150)**

Conversions

Conversions Part 1

Format	Color
Hex	3B9DA9
RGB	59, 157, 169
RGB Percent	23%, 62%, 66%
CMY	0.7686, 0.3843, 0.3373
CMYK	0.65, 0.07, 0.00, 0.34
HSL	187°, 48%, 45%
HSV	187°, 65%, 66%
XYZ	21.0220, 27.9083, 41.8150
YIQ	129.0660, -62.2600, -17.0440

Conversions

Conversions Part 2

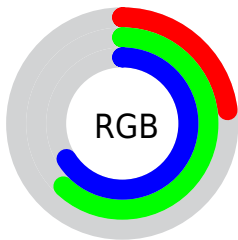
Format	Color
R_{YB}	59, 111, 169
Decimal	3906985
CIE _{Lab}	59.81, -24.37, -14.67
CIE _{LCh}	60, 28.449, 211.052
Yxy	27.9083, 0.2317, 0.3075
Android (android.graphics.Color)	4282097065 (0xFF3B9DA9)
YUV	129.0660, 19.6875, -61.4479
Hunter-Lab	52.8283, -21.4189, -9.9498

Details

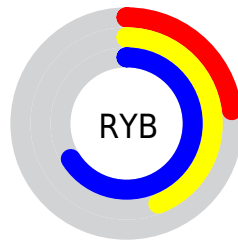
The XYZ color **21.0220, 27.9083, 41.8150** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.4055, 13.2580, 5.6747**, and the grayscale version is **20.8391, 21.9243, 23.8756**.

A 20% lighter version of the original color is **44.6058, 56.3907, 79.0545**, and **8.2625, 11.3875, 18.5922** is the 20% darker color. If you saturate the color by 10%, you get **19.8685, 26.8547, 41.6729**, and if you desaturate by 10%, it is **22.5062, 29.1406, 41.9751**.

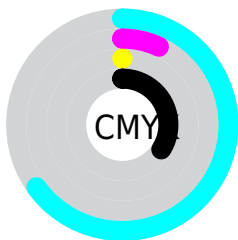
Distribution



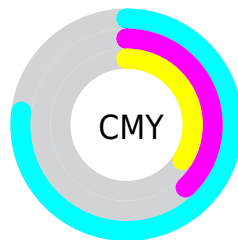
- Red (23%)
- Green (62%)
- Blue (66%)



- Red (23%)
- Yellow (44%)
- Blue (66%)



- Cyan (65%)
- Magenta (7%)
- Yellow (0%)
- Black (34%)



- Cyan (77%)
- Magenta (38%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0220, 27.9083, 41.8150 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 21.0220, 27.9083, 41.8150 by changing the saturation by 10% instead.

■ 21.0220, 27.9083,
41.8150

■ 21.0220, 27.9083,
41.8150

250.1249,
292.0285, 369.4925

■ 13.2526, 18.2565,
28.6320

■ 44.6151, 56.3380,
79.1866

■ 7.6809, 11.1343,
18.5594

■ 61.1696, 75.8847,
104.2123

■ 3.9416, 6.1573,
11.1788

■ 81.3832, 99.4986,
134.0226

■ 1.6691, 2.9409,
6.0715

■ 105.6212,
127.5640, 169.0361

■ 0.4368, 1.1010,
2.8191

■ 134.2491,
160.4653, 209.6713

■ 0.0000, 0.0000,
1.0030

167.6320,

■ 0.0000, 0.0000,

198.5868, 256.3467

0.0000

206.1355,
242.3131, 309.4809

■ 21.0220, 27.9083,
41.8150

■ 21.0220, 27.9083,
41.8150

■ 19.8685, 26.8547,
41.6729

■ 22.5062, 29.1406,
41.9751

■ 19.0104, 25.9597,
41.5454

■ 24.3468, 30.5630,
42.1527

■ 18.4082, 25.2036,
41.4312

■ 26.5698, 32.1896,
42.3495

■ 18.1584, 24.8583,
41.3777

■ 29.1983, 34.0323,
42.5666

■ 32.2533, 36.1020,
42.8051

■ 35.7544, 38.4089,
43.0658

■ 39.7201, 40.9623,
43.3497

■ 44.1678, 43.7715,
43.6575

■ 49.1138, 46.8447,
43.9900

Harmonies

Analogous

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



20.1841, 27.9083, 30.7532



21.0220, 27.9083, 41.8150



23.3118, 27.9083, 51.2686

Triad

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



21.0220, 27.9083, 41.8150



33.0626, 27.9083, 41.0391



26.3990, 27.9083, 14.5522

Complementary

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



21.0220, 27.9083, 41.8150



19.4055, 13.2580, 5.6747

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.



30.0229, 27.9083, 16.1209



21.0220, 27.9083, 41.8150



34.0740, 27.9083, 30.0245

Square

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



21.0220, 27.9083, 41.8150



30.2628, 27.9083, 50.7540



32.9155, 27.9083, 21.2582



23.1102, 27.9083, 16.3608

Rectangle

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



21.0220, 27.9083, 41.8150



25.4629, 27.9083, 54.5058



32.9155, 27.9083, 21.2582



27.6183, 27.9083, 14.6984

Sweetspot

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



21.0229, 27.9093, 41.8157



54.7811, 62.6498, 76.4304



17.0978, 29.7486, 10.6361



11.6270, 13.4418, 16.6339



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.0229, 27.9093, 41.8157



34.8593, 47.3707, 74.5313



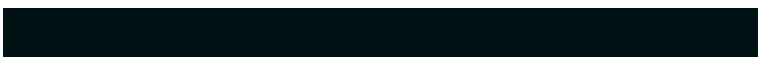
13.8161, 13.4958, 39.4134



7.6766, 8.3902, 9.6332



13.5570, 18.5742, 30.8461



0.3490, 0.4902, 0.7569

Inverse Universe

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



24.0127, 13.9980, 33.3356



40.8712, 21.4409, 57.0214



24.4860, 23.4189, 7.3682



7.8061, 7.6523, 9.2963



16.3436, 7.9461, 22.4185



0.4073, 0.1972, 0.5964

Previews

White Background



This preview shows how the XYZ color 21.0220, 27.9083, 41.8150 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 21.0220, 27.9083, 41.8150 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

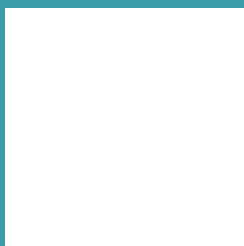
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0220, 27.9083, 41.8150

Background



This preview shows how black text looks on a background with the XYZ color 21.0220, 27.9083, 41.8150.

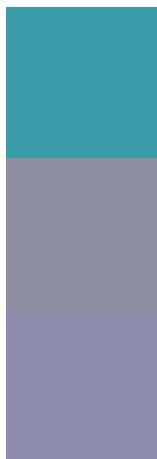


This preview shows how white text looks on a background with the XYZ color 21.0220, 27.9083,

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

21.0220, 27.9083, 41.8150

Protanopia

26.9155, 27.5119, 36.6926

Deuteranopia

28.0762, 27.5241, 43.3681



Tritanopia

21.1163, 27.9460, 42.3114

Trichromacy



Original Color

21.0220, 27.9083, 41.8150

Protanomaly

23.6001, 26.8913, 38.5970

Deuteranomaly

24.4074, 26.9811, 42.9512

Tritanomaly

21.1163, 27.9460, 42.3114

Monochromacy



Original Color

21.0220, 27.9083, 41.8150

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.9756, 23.4219, 29.8536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0220, 27.9083, 41.8150 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(59, 157, 169)` looks like.

```
.text, #text, p{  
    color:rgb(59, 157, 169)  
}
```

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(59, 157, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 157, 169) }
```

Border

The CSS property to change the border of an element to XYZ 21.0220, 27.9083, 41.8150 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(59, 157, 169) }
```


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

```
.border{ border-color:rgb(59, 157, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 157, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 157, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 157, 169);  
box-shadow:4px 4px 4px 4px rgb(59, 157,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0220, 27.9083, 41.8150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 157, 169) }
```

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

```
.background{ background-color: rgb(59, 157,  
169) }
```

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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