

Converting Colors

XYZ(21.1627, 27.1492, 46.8313)

Have a look what the booklet for
XYZ(21.1627, 27.1492, 46.8313)
contains.

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Color

**XYZ(21.1085, 27.0959,
46.7653)**

Conversions

Conversions Part 1

Format	Color
Hex	349AB3
RGB	52, 154, 179
RGB Percent	20%, 60%, 70%
CMY	0.7960, 0.3961, 0.2980
CMYK	0.71, 0.14, 0.00, 0.30
HSL	192°, 55%, 45%
HSV	192°, 71%, 70%
XYZ	21.1085, 27.0959, 46.7653
YIQ	126.3520, -68.8170, -13.8490

Conversions

Conversions Part 2

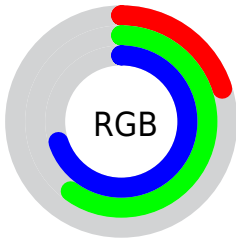
Format	Color
R _Y B	52, 109, 179
Decimal	3447475
CIE Lab	59.06, -20.76, -21.48
CIE LCh	59, 29.870, 225.981
Yxy	27.0959, 0.2223, 0.2853
Android (android.graphics.Color)	4281637555 (0xFF349AB3)
YUV	126.3520, 25.9555, -65.2067
Hunter-Lab	52.0537, -18.7098, -16.8288

Details

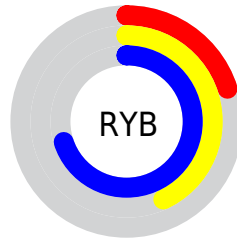
The XYZ color **21.1085, 27.0959, 46.7653** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.8652, 15.1408, 5.0200**, and the grayscale version is **19.8834, 20.9189, 22.7807**.

A 20% lighter version of the original color is **44.8661, 55.2439, 86.8957**, and **8.6161, 11.2069, 21.4477** is the 20% darker color. If you saturate the color by 10%, you get **19.7829, 25.5623, 46.5397**, and if you desaturate by 10%, it is **22.8022, 28.8457, 47.0143**.

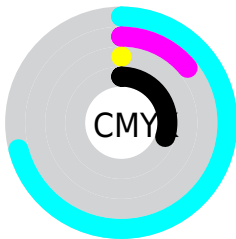
Distribution



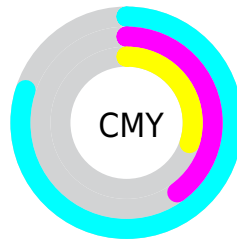
- Red (20%)
- Green (60%)
- Blue (70%)



- Red (20%)
- Yellow (43%)
- Blue (70%)



- Cyan (71%)
- Magenta (14%)
- Yellow (0%)
- Black (30%)



- Cyan (80%)
- Magenta (40%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1085, 27.0959, 46.7653 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 21.1085, 27.0959, 46.7653 by changing the saturation by 10% instead.

■ 21.1085, 27.0959,
46.7653

■ 21.1085, 27.0959,
46.7653

250.5754,
288.1212, 390.2435

■ 13.3162, 17.6453,
32.4971

■ 44.7580, 55.0377,
86.7095

■ 7.7252, 10.6956,
21.4735

■ 61.3459, 74.2977,
113.2226

■ 3.9699, 5.8625,
13.2760

■ 81.5964, 97.5962,
144.6544

■ 1.6851, 2.7617,
7.4859

■ 105.8748,
125.3177, 181.4236

■ 0.4469, 1.0086,
3.6848

■ 134.5466,
157.8466, 223.9485

■ 0.0000, 0.0000,
1.4541

167.9771,

■ 0.0000, 0.0000,

195.5671, 272.6478

0.1833

206.5315,
238.8639, 327.9399

■ 0.0000, 0.0000,
0.0000

■ 21.1085, 27.0959,
46.7653

■ 21.1085, 27.0959,
46.7653

■ 19.7829, 25.5623,
46.5397

■ 22.8022, 28.8457,
47.0143

■ 18.7807, 24.2200,
46.3334

■ 24.8968, 30.8272,
47.2864

■ 18.0743, 23.1297,
46.1602

■ 27.4245, 33.0577,
47.5837

■ 30.4133, 35.5519,
47.9076

■ 33.8887, 38.3231,
48.2593

■ 37.8745, 41.3839,
48.6400

■ 42.3927, 44.7457,
49.0508

■ 47.4642, 48.4194,
49.4926

■ 53.1085, 52.4155,
49.9664

Harmonies

Analogous

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



19.4874, 27.0959, 35.4918



21.1085, 27.0959, 46.7653



24.0643, 27.0959, 54.0911

Triad

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



21.1085, 27.0959, 46.7653



33.3124, 27.0959, 34.7332



23.8396, 27.0959, 13.8997

Complementary

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



21.1085, 27.0959, 46.7653



21.8652, 15.1408, 5.0200

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.



27.5206, 27.0959, 13.7904



21.1085, 27.0959, 46.7653



33.2375, 27.0959, 24.2286

Square

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



21.1085, 27.0959, 46.7653



31.2311, 27.0959, 46.0962



31.0351, 27.0959, 17.1164



20.9576, 27.0959, 17.4627

Rectangle

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



21.1085, 27.0959, 46.7653



26.5042, 27.0959, 54.8394



31.0351, 27.0959, 17.1164



25.0178, 27.0959, 13.4931

Sweetspot

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



21.1094, 27.0969, 46.7660



60.4200, 68.4212, 86.4033



18.8170, 33.4829, 12.1801



12.9928, 14.8492, 19.1036



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.1094, 27.0969, 46.7660



34.3782, 44.4210, 83.1434



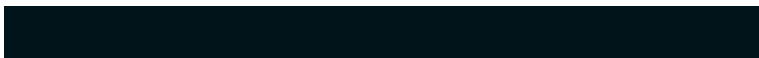
13.4000, 11.6781, 44.1962



8.5977, 9.3416, 10.8563



12.8180, 16.4363, 32.6339



0.4396, 0.5898, 1.0389

Inverse Universe

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



25.6520, 14.3738, 31.9951



43.5407, 22.2151, 52.5749



28.4125, 28.2355, 7.2025



8.7769, 8.6175, 10.3235



16.7046, 8.1994, 19.4021



0.5439, 0.2653, 0.7070

Previews

White Background



This preview shows how the XYZ color 21.1085, 27.0959, 46.7653 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 21.1085, 27.0959, 46.7653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

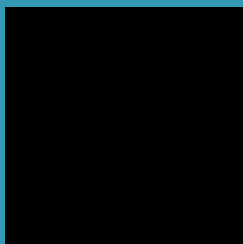
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

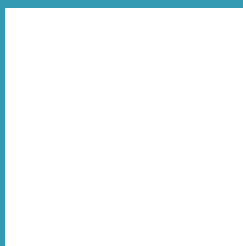
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1085, 27.0959, 46.7653

Background



This preview shows how black text looks on a background with the XYZ color 21.1085, 27.0959, 46.7653.

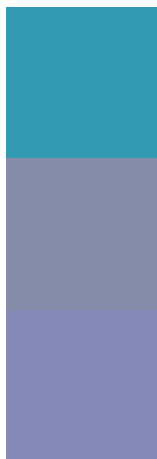


This preview shows how white text looks on a background with the XYZ color 21.1085, 27.0959,

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

21.1085, 27.0959, 46.7653

Protanopia

26.5312, 26.7716, 41.3052

Deuteranopia

27.3490, 26.8292, 47.9931



Tritanopia

20.0385, 27.1620, 41.2324

Trichromacy



Original Color

21.1085, 27.0959, 46.7653

Protanomaly

23.4939, 26.2712, 43.3677

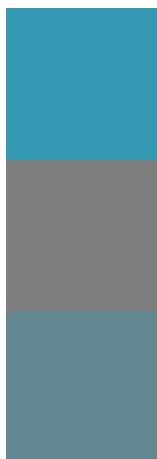
Deuteranomaly

24.0227, 26.2258, 47.5120

Tritanomaly

20.3867, 27.0496, 43.1763

Monochromacy



Original Color

21.1085, 27.0959, 46.7653

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.0606, 22.3053, 30.0888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1085, 27.0959, 46.7653 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(52, 154, 179)` looks like.

```
.text, #text, p{  
    color:rgb(52, 154, 179)  
}
```

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(52, 154, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 154, 179) }
```

Border

The CSS property to change the border of an element to XYZ 21.1085, 27.0959, 46.7653 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(52, 154, 179) }
```


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

```
.border{ border-color:rgb(52, 154, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 154, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 154, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 154, 179);  
box-shadow:4px 4px 4px 4px rgb(52, 154,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1085, 27.0959, 46.7653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 154, 179) }
```

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

```
.background{ background-color: rgb(52, 154,  
179) }
```

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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