

Converting Colors

XYZ(20.9521, 27.4605, 47.5644)

Have a look what the booklet for
XYZ(20.9521, 27.4605, 47.5644)
contains.

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Color

**XYZ(20.9260, 27.4843,
47.3821)**

Conversions

Conversions Part 1

Format	Color
Hex	269CB4
RGB	38, 156, 180
RGB Percent	15%, 61%, 71%
CMY	0.8509, 0.3882, 0.2941
CMYK	0.79, 0.13, 0.00, 0.29
HSL	190°, 65%, 43%
HSV	190°, 79%, 71%
XYZ	20.9260, 27.4843, 47.3821
YIQ	123.4540, -78.0320, -17.5520

Conversions

Conversions Part 2

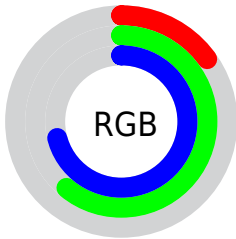
Format	Color
R_{YB}	38, 102, 180
Decimal	2530484
CIE _{Lab}	59.42, -23.17, -21.52
CIE _{LCh}	59, 31.625, 222.891
Yxy	27.4843, 0.2185, 0.2869
Android (android.graphics.Color)	4280720564 (0xFF269CB4)
YUV	123.4540, 27.8772, -74.9432
Hunter-Lab	52.4255, -20.4950, -16.8884

Details

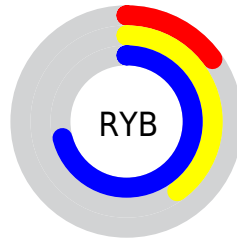
The XYZ color **20.9260, 27.4843, 47.3821** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.8958, 13.2897, 3.2985**, and the grayscale version is **18.9073, 19.8919, 21.6623**.

A 20% lighter version of the original color is **44.4980, 55.7705, 87.7764**, and **8.7811, 11.4329, 21.8226** is the 20% darker color. If you saturate the color by 10%, you get **19.9117, 26.2135, 47.1908**, and if you desaturate by 10%, it is **22.2756, 28.9480, 47.5940**.

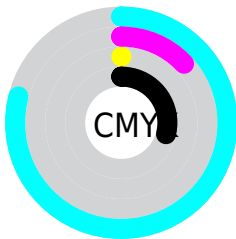
Distribution



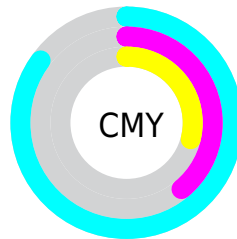
- Red (15%)
- Green (61%)
- Blue (71%)



- Red (15%)
- Yellow (40%)
- Blue (71%)



- Cyan (79%)
- Magenta (13%)
- Yellow (0%)
- Black (29%)



- Cyan (85%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9260, 27.4843, 47.3821 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 20.9260, 27.4843, 47.3821 by changing the saturation by 10% instead.

■ 20.9260, 27.4843,
47.3821

■ 20.9260, 27.4843,
47.3821

249.6241,
289.9944, 392.7755

■ 13.1821, 17.9373,
32.9813

■ 44.4565, 55.6600,
87.6396

■ 7.6319, 10.9050,
21.8411

■ 60.9739, 75.0576,
114.3335

■ 3.9101, 6.0030,
13.5430

■ 81.1464, 98.5073,
145.9621

■ 1.6514, 2.8469,
7.6684

■ 105.3395,
126.3938, 182.9440

■ 0.4256, 1.0523,
3.7988

■ 133.9184,
159.1014, 225.6977

■ 0.0000, 0.0000,
1.5156

167.2486,

■ 0.0000, 0.0000,

197.0144, 274.6419

0.2295

205.6954,
240.5173, 330.1950

■ 0.0000, 0.0000,
0.0000

■ 20.9260, 27.4843,
47.3821

■ 20.9260, 27.4843,
47.3821

■ 19.9117, 26.2135,
47.1908

■ 22.2756, 28.9480,
47.5940

■ 19.1567, 25.0947,
47.0146

■ 23.9989, 30.6229,
47.8265

■ 19.0774, 24.9735,
46.9954

■ 26.1315, 32.5281,
48.0818

■ 28.7045, 34.6797,
48.3615

■ 31.7455, 37.0921,
48.6669

■ 35.2800, 39.7786,
48.9991

■ 39.3317, 42.7514,
49.3594

■ 43.9226, 46.0221,
49.7487

■ 49.0735, 49.6016,
50.1682

Harmonies

Analogous

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



19.3737, 27.4843, 35.0662



20.9260, 27.4843, 47.3821



23.9437, 27.4843, 56.0205

Triad

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



20.9260, 27.4843, 47.3821



34.1081, 27.4843, 36.8196



24.4587, 27.4843, 13.2888

Complementary

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



20.9260, 27.4843, 47.3821



20.8958, 13.2897, 3.2985

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.



28.4306, 27.4843, 13.5324



20.9260, 27.4843, 47.3821



34.2818, 27.4843, 25.3139

Square

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



20.9260, 27.4843, 47.3821



31.6631, 27.4843, 48.9423



32.1162, 27.4843, 17.3891



21.2700, 27.4843, 16.6099

Rectangle

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



20.9260, 27.4843, 47.3821



26.5095, 27.4843, 57.4580



32.1162, 27.4843, 17.3891



25.7403, 27.4843, 12.9870

Sweetspot

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



20.9269, 27.4853, 47.3828



60.3136, 69.3708, 88.5056



17.9818, 33.3994, 10.0099



12.5656, 14.6327, 19.0844



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.



20.9269, 27.4853, 47.3828



35.0361, 45.9525, 85.3177



12.3135, 10.2584, 44.5116



8.6180, 9.3822, 10.8631



13.3573, 17.5149, 32.8137



0.4526, 0.6157, 1.0432

Inverse Universe

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



25.5170, 13.4907, 32.7126



44.3274, 21.8787, 54.6687



27.5152, 26.5285, 5.5050



8.7871, 8.6216, 10.3775



16.9768, 8.3083, 20.8356



0.5505, 0.2679, 0.7414

Previews

White Background



This preview shows how the XYZ color 20.9260, 27.4843, 47.3821 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 20.9260, 27.4843, 47.3821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

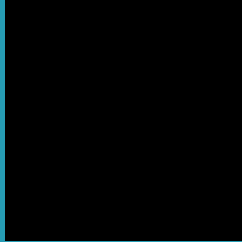
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9260, 27.4843, 47.3821

Background



This preview shows how black text looks on a background with the XYZ color 20.9260, 27.4843, 47.3821.

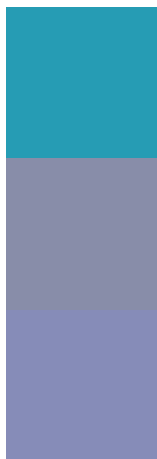


This preview shows how white text looks on a background with the XYZ color 20.9260, 27.4843,

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

20.9260, 27.4843, 47.3821

Protanopia

26.8397, 27.1486, 41.3617

Deuteranopia

27.8613, 27.2852, 49.1455



Tritanopia

19.9614, 27.6029, 42.3060

Trichromacy



Original Color

20.9260, 27.4843, 47.3821

Protanomaly

23.0772, 26.2842, 43.3922

Deuteranomaly

23.9717, 26.6293, 48.6763

Tritanomaly

20.2926, 27.4770, 44.2785

Monochromacy



Original Color

20.9260, 27.4843, 47.3821

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.1116, 21.6169, 29.6034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9260, 27.4843, 47.3821 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(38, 156, 180)` looks like.

```
.text, #text, p{  
    color:rgb(38, 156, 180)  
}
```

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(38, 156, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 156, 180) }
```

Border

The CSS property to change the border of an element to XYZ 20.9260, 27.4843, 47.3821 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(38, 156, 180) }
```


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

```
.border{ border-color:rgb(38, 156, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 156, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 156, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 156, 180);  
box-shadow:4px 4px 4px 4px rgb(38, 156,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9260, 27.4843, 47.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 156, 180) }
```

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

```
.background{ background-color: rgb(38, 156,  
180) }
```

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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