

Converting Colors

XYZ(20.6273, 27.5273, 47.9696)

Have a look what the booklet for
XYZ(20.6273, 27.5273, 47.9696)
contains.

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Color

**XYZ(20.6469, 27.5787,
47.9511)**

Conversions

Conversions Part 1

Format	Color
Hex	129DB5
RGB	18, 157, 181
RGB Percent	7%, 62%, 71%
CMY	0.9293, 0.3843, 0.2902
CMYK	0.90, 0.13, 0.00, 0.29
HSL	189°, 82%, 39%
HSV	189°, 90%, 71%
XYZ	20.6469, 27.5787, 47.9511
YIQ	118.1750, -90.5480, -22.0040

Conversions

Conversions Part 2

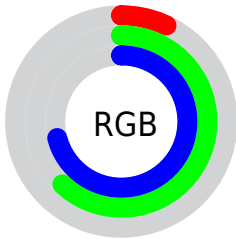
Format	Color
RYB	18, 93, 181
Decimal	1220021
CIELab	59.51, -24.89, -21.98
CIElCh	60, 33.206, 221.447
Yxy	27.5787, 0.2147, 0.2868
Android (android.graphics.Color)	4279410101 (0xFF129DB5)
YUV	118.1750, 30.9727, -87.8535
Hunter-Lab	52.5154, -21.7232, -17.3761

Details

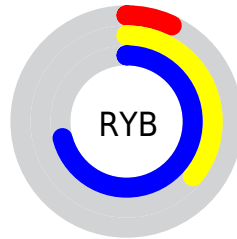
The XYZ color **20.6469, 27.5787, 47.9511** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.9944, 11.5252, 1.7440**, and the grayscale version is **17.2035, 18.0994, 19.7103**.

A 20% lighter version of the original color is **44.0851, 55.9107, 88.5891**, and **8.9479, 11.6617, 22.2014** is the 20% darker color. If you saturate the color by 10%, you get **19.9537, 26.5625, 47.7920**, and if you desaturate by 10%, it is **21.5857, 28.7399, 48.1263**.

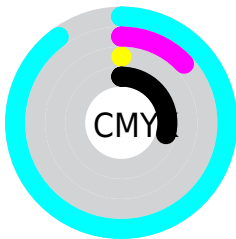
Distribution



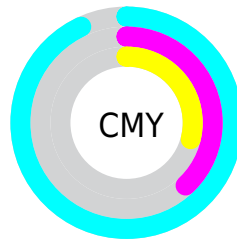
- Red (7%)
- Green (62%)
- Blue (71%)



- Red (7%)
- Yellow (36%)
- Blue (71%)



- Cyan (90%)
- Magenta (13%)
- Yellow (0%)
- Black (29%)





- Cyan (93%)
- Magenta (38%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6469, 27.5787, 47.9511 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 20.6469, 27.5787, 47.9511 by changing the saturation by 10% instead.


 20.6469, 27.5787,
47.9511


 20.6469, 27.5787,
47.9511


248.1633,
290.4483, 395.1014


 12.9771, 18.0083,
33.4284


 43.9949, 55.8111,
88.4964


 7.4897, 10.9560,
22.1811


 60.4037, 75.2419,
115.3561


 3.8192, 6.0372,
13.7904


 80.4564, 98.7283,
147.1652

 1.6004, 2.8677,
7.8380

 104.5181,
126.6548, 184.3424

 0.3927, 1.0631,
3.9052

 132.9544,
159.4056, 227.3060

 0.0000, 0.0000,
1.5735

 166.1304,

 0.0000, 0.0000,

197.3652, 276.4747

0.2718

204.4116,
240.9179, 332.2670

■ 0.0000, 0.0000,
0.0000

■ 20.6469, 27.5787,
47.9511

■ 20.6469, 27.5787,
47.9511

■ 19.9537, 26.5625,
47.7920

■ 21.5857, 28.7399,
48.1263

■ 22.8530, 30.0847,
48.3191

■ 24.4920, 31.6360,
48.5321

■ 26.5389, 33.4123,
48.7671

■ 29.0253, 35.4301,
49.0255

■ 31.9795, 37.7042,
49.3088

■ 35.4277, 40.2481,
49.6180

■ 39.3939, 43.0743,
49.9545

■ 43.9007, 46.1944,
50.3192

Harmonies

Analogous

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



19.1091, 27.5787, 34.8236



20.6469, 27.5787, 47.9511



23.7418, 27.5787, 57.5050

Triad

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



20.6469, 27.5787, 47.9511



34.5786, 27.5787, 37.9491



24.6524, 27.5787, 12.6684

Complementary

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



20.6469, 27.5787, 47.9511



19.9944, 11.5252, 1.7440

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.



28.8494, 27.5787, 13.0875



20.6469, 27.5787, 47.9511



34.8891, 27.5787, 25.6951

Square

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



20.6469, 27.5787, 47.9511



31.8904, 27.5787, 50.7552



32.6984, 27.5787, 17.2420



21.2524, 27.5787, 15.8880

Rectangle

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



20.6469, 27.5787, 47.9511



26.4159, 27.5787, 59.3547



32.6984, 27.5787, 17.2420



26.0106, 27.5787, 12.4171

Sweetspot

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



20.6478, 27.5797, 47.9518



58.7875, 68.6600, 88.4489



17.1528, 33.3285, 7.5146



12.2861, 14.5249, 19.0783



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.



20.6478, 27.5797, 47.9518



35.6045, 47.3088, 85.5496



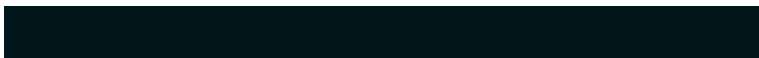
11.2994, 8.8829, 44.8356



8.6339, 9.4140, 10.8684



13.7951, 18.3906, 32.9596



0.4630, 0.6365, 1.0467

Inverse Universe

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



25.3590, 12.6916, 33.0124



44.5607, 21.7668, 56.5297



26.0326, 23.6014, 3.7567



8.7952, 8.6248, 10.4198



17.1978, 8.3967, 21.9992



0.5557, 0.2700, 0.7691

Previews

White Background



This preview shows how the XYZ color 20.6469, 27.5787, 47.9511 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 20.6469, 27.5787, 47.9511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

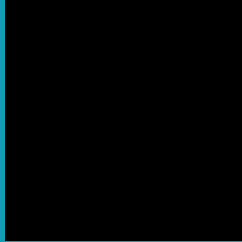
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6469, 27.5787, 47.9511

Background



This preview shows how black text looks on a background with the XYZ color 20.6469, 27.5787, 47.9511.

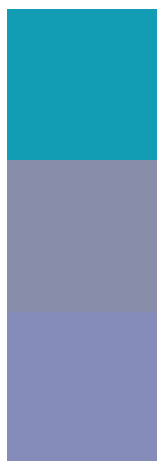


This preview shows how white text looks on a background with the XYZ color 20.6469, 27.5787,

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

20.6469, 27.5787, 47.9511

Protanopia

26.9339, 27.1863, 41.8581

Deuteranopia

27.8079, 27.2455, 49.6922



Tritanopia

19.5775, 27.3940, 42.7838

Trichromacy



Original Color

20.6469, 27.5787, 47.9511

Protanomaly

22.5879, 26.2506, 43.9208

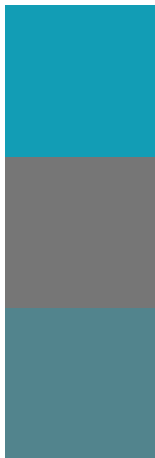
Deuteranomaly

23.2450, 26.2426, 49.1876

Tritanomaly

20.0523, 27.5940, 44.8268

Monochromacy



Original Color

20.6469, 27.5787, 47.9511

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.5387, 20.2195, 28.2304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6469, 27.5787, 47.9511 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(18, 157, 181)` looks like.

```
.text, #text, p{  
    color:rgb(18, 157, 181)  
}
```

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(18, 157, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 157, 181) }
```

Border

The CSS property to change the border of an element to XYZ 20.6469, 27.5787, 47.9511 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(18, 157, 181) }
```


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

```
.border{ border-color:rgb(18, 157, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 157, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 157, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 157, 181);  
box-shadow:4px 4px 4px 4px rgb(18, 157,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6469, 27.5787, 47.9511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 157, 181) }
```

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

```
.background{ background-color: rgb(18, 157,  
181) }
```

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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