

Converting Colors

XYZ(20.5288, 26.4536, 47.7408)

Have a look what the booklet for
XYZ(20.5288, 26.4536, 47.7408)
contains.

XYZ(20.5684, 26.5500, 47.7567)	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(20.5684, 26.5500,
47.7567)**

Conversions

Conversions Part 1

Format	Color
Hex	2799B5
RGB	39, 153, 181
RGB Percent	15%, 60%, 71%
CMY	0.8470, 0.4000, 0.2902
CMYK	0.78, 0.15, 0.00, 0.29
HSL	192°, 65%, 43%
HSV	192°, 78%, 71%
XYZ	20.5684, 26.5500, 47.7567
YIQ	122.1060, -76.9320, -15.4600

Conversions

Conversions Part 2

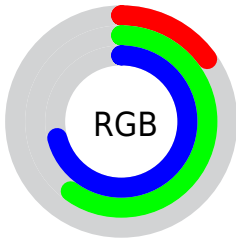
Format	Color
R _Y B	39, 102, 181
Decimal	2595253
CIE Lab	58.56, -21.17, -23.41
CIE LCh	59, 31.567, 227.876
Yxy	26.5500, 0.2168, 0.2798
Android (android.graphics.Color)	4280785333 (0xFF2799B5)
YUV	122.1060, 29.0347, -72.8840
Hunter-Lab	51.5267, -18.9182, -18.8833

Details

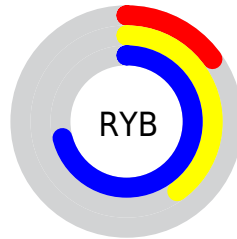
The XYZ color **20.5684, 26.5500, 47.7567** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.4304, 13.9858, 3.4904**, and the grayscale version is **18.4607, 19.4221, 21.1507**.

A 20% lighter version of the original color is **44.0263, 54.4143, 88.3033**, and **8.6477, 11.0613, 22.1013** is the 20% darker color. If you saturate the color by 10%, you get **19.4640, 25.1269, 47.5407**, and if you desaturate by 10%, it is **22.0188, 28.1785, 47.9951**.

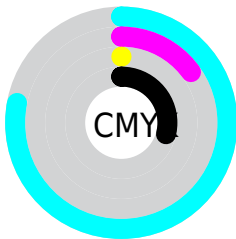
Distribution



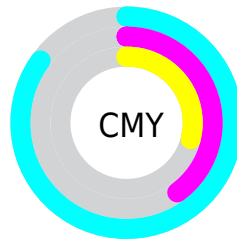
- Red (15%)
- Green (60%)
- Blue (71%)



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



- Cyan (78%)
- Magenta (15%)
- Yellow (0%)
- Black (29%)



- Cyan (85%)
- Magenta (40%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5684, 26.5500, 47.7567 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 20.5684, 26.5500, 47.7567 by changing the saturation by 10% instead.

■ 20.5684, 26.5500,
47.7567

■ 20.5684, 26.5500,
47.7567

247.7512,
285.4716, 394.3078

■ 12.9195, 17.2355,
33.2756

■ 43.8648, 54.1609,
88.2038

■ 7.4498, 10.4026,
22.0648

■ 60.2431, 73.2262,
115.0069

■ 3.7938, 5.6667,
13.7058

■ 80.2619, 96.3105,
146.7545

■ 1.5861, 2.6435,
7.7799

■ 104.2866,
123.7982, 183.8651

■ 0.3833, 0.9486,
3.8687

■ 132.6825,
156.0738, 226.7571

■ 0.0000, 0.0000,
1.5536

165.8150,

■ 0.0000, 0.0000,

193.5217, 275.8492

0.2574

204.0494,
236.5261, 331.5599

■ 0.0000, 0.0000,
0.0000

■ 20.5684, 26.5500,
47.7567

■ 20.5684, 26.5500,
47.7567

■ 19.4640, 25.1269,
47.5407

■ 22.0188, 28.1785,
47.9951

■ 18.6337, 23.8702,
47.3419

■ 23.8539, 30.0309,
48.2559

■ 18.5134, 23.6818,
47.3119

■ 26.1098, 32.1267,
48.5416

■ 28.8178, 34.4821,
48.8535

■ 32.0058, 37.1118,
49.1930

■ 35.6998, 40.0294,
49.5615

■ 39.9236, 43.2473,
49.9600

■ 44.6995, 46.7773,
50.3896

■ 50.0487, 50.6304,
50.8514

Harmonies

Analogous

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



18.7985, 26.5500, 35.9510



20.5684, 26.5500, 47.7567



23.7051, 26.5500, 55.1308

Triad

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



20.5684, 26.5500, 47.7567



33.2263, 26.5500, 33.6164



23.0204, 26.5500, 13.0072

Complementary

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



20.5684, 26.5500, 47.7567



21.4304, 13.9858, 3.4904

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.



26.8293, 26.5500, 12.6851



20.5684, 26.5500, 47.7567



32.9948, 26.5500, 22.8514

Square

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



20.5684, 26.5500, 47.7567



31.1622, 26.5500, 45.6760



30.5589, 26.5500, 15.8146



20.1114, 26.5500, 16.8470

Rectangle

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



20.5684, 26.5500, 47.7567



26.2678, 26.5500, 55.5535



30.5589, 26.5500, 15.8146



24.2296, 26.5500, 12.5275

Sweetspot

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



20.5693, 26.5510, 47.7574



59.8866, 68.5167, 88.3633



18.3165, 33.8618, 10.5780



12.4609, 14.4234, 19.0495



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.



20.5693, 26.5510, 47.7574



33.7759, 43.3809, 84.8878



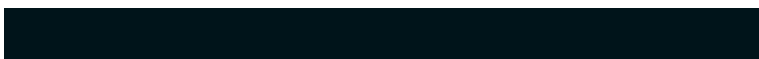
12.3460, 10.1044, 45.0163



8.5975, 9.3412, 10.8562



12.8117, 16.4237, 32.6318



0.4395, 0.5895, 1.0389

Inverse Universe

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



25.5321, 13.5756, 31.4126



43.7038, 21.6769, 51.2374



28.2321, 27.5893, 5.7576



8.7768, 8.6174, 10.3229



16.7014, 8.1981, 19.3853



0.5439, 0.2653, 0.7066

Previews

White Background



This preview shows how the XYZ color 20.5684, 26.5500, 47.7567 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 20.5684, 26.5500, 47.7567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

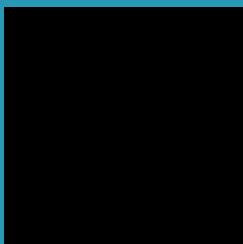
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

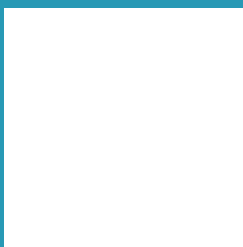
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5684, 26.5500, 47.7567

Background



This preview shows how black text looks on a background with the XYZ color 20.5684, 26.5500, 47.7567.

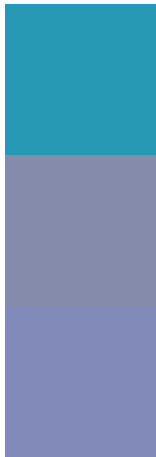


This preview shows how white text looks on a background with the XYZ color 20.5684, 26.5500,

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

20.5684, 26.5500, 47.7567

Protanopia

26.2562, 26.3921, 42.2384

Deuteranopia

26.7935, 26.3048, 49.0126



Tritanopia

19.1659, 26.4640, 41.1437

Trichromacy



Original Color

20.5684, 26.5500, 47.7567

Protanomaly

22.8567, 25.6943, 44.3123

Deuteranomaly

23.1936, 25.5506, 48.5091

Tritanomaly

19.6051, 26.3895, 43.5956

Monochromacy



Original Color

20.5684, 26.5500, 47.7567

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.7591, 21.0335, 29.1105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5684, 26.5500, 47.7567 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(39, 153, 181)` looks like.

```
.text, #text, p{  
    color:rgb(39, 153, 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(39, 153, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 153, 181) }
```

Border

The CSS property to change the border of an element to XYZ 20.5684, 26.5500, 47.7567 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(39, 153, 181) }
```


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

```
.border{ border-color:rgb(39, 153, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 153, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 153, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 153, 181);  
box-shadow:4px 4px 4px 4px rgb(39, 153,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5684, 26.5500, 47.7567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 153, 181) }
```

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

```
.background{ background-color: rgb(39, 153,  
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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