

Converting Colors

XYZ(20.9900, 24.2944, 48.7931)

Have a look what the booklet for
XYZ(20.9900, 24.2944, 48.7931)
contains.

XYZ(21.0727, 24.4452, 48.9551)	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(21.0727, 24.4452,
48.9551)**

Conversions

Conversions Part 1

Format	Color
Hex	478FB8
RGB	71, 143, 184
RGB Percent	28%, 56%, 72%
CMY	0.7215, 0.4392, 0.2784
CMYK	0.61, 0.22, 0.00, 0.28
HSL	202°, 44%, 50%
HSV	202°, 61%, 72%
XYZ	21.0727, 24.4452, 48.9551
YIQ	126.1460, -56.0730, -2.5130

Conversions

Conversions Part 2

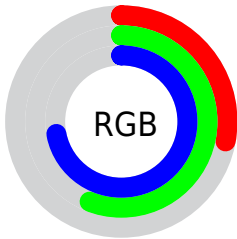
Format	Color
R_{YB}	71, 115, 184
Decimal	4689848
CIE _{Lab}	56.53, -10.01, -28.16
CIE _{LCh}	57, 29.892, 250.429
Yxy	24.4452, 0.2231, 0.2588
Android (android.graphics.Color)	4282879928 (0xFF478FB8)
YUV	126.1460, 28.5220, -48.3630
Hunter-Lab	49.4421, -10.4452, -24.0966

Details

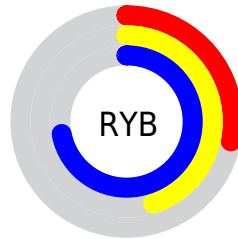
The XYZ color **21.0727, 24.4452, 48.9551** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.6995, 22.2348, 8.8467**, and the grayscale version is **19.8014, 20.8326, 22.6867**.

A 20% lighter version of the original color is **44.7477, 50.8909, 89.9025**, and **8.0111, 9.4674, 22.8779** is the 20% darker color. If you saturate the color by 10%, you get **18.9495, 21.9072, 48.5776**, and if you desaturate by 10%, it is **23.6658, 27.3149, 49.3728**.

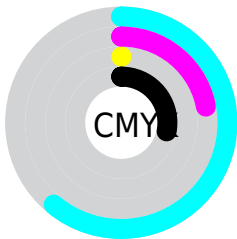
Distribution



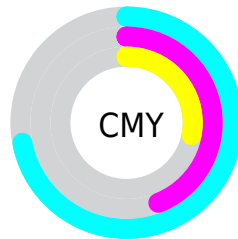
- Red (28%)
- Green (56%)
- Blue (72%)



- Red (28%)
- Yellow (45%)
- Blue (72%)



- Cyan (61%)
- Magenta (22%)
- Yellow (0%)
- Black (28%)



- Cyan (72%)
- Magenta (44%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0727, 24.4452, 48.9551 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 21.0727, 24.4452, 48.9551 by changing the saturation by 10% instead.

■ 21.0727, 24.4452,
48.9551

■ 21.0727, 24.4452,
48.9551

250.3890,
275.0636, 399.1829

■ 13.2899, 15.6642,
34.2185

■ 44.6989, 50.7557,
90.0051

■ 7.7069, 9.2868,
22.7828

■ 61.2729, 69.0541,
117.1555

■ 3.9582, 4.9288,
14.2294

■ 81.5082, 91.2936,
149.2810

■ 1.6785, 2.2055,
8.1398

■ 105.7699,
117.8588, 186.8001

■ 0.4428, 0.7230,
4.0955

■ 134.4235,
149.1340, 230.1313

■ 0.0000, 0.0000,
1.6779

167.8343,

■ 0.0000, 0.0000,

185.5036, 279.6931

0.3455

206.3677,
227.3520, 335.9041

■ 0.0000, 0.0000,
0.0000

■ 21.0727, 24.4452,
48.9551

■ 21.0727, 24.4452,
48.9551

■ 18.9495, 21.9072,
48.5776

■ 23.6658, 27.3149,
49.3728

■ 17.2544, 19.6765,
48.2364

■ 26.7606, 30.5328,
49.8308

■ 15.9419, 17.7285,
47.9295

■ 30.3890, 34.1173,
50.3315

■ 15.0409, 16.2390,
47.6895

■ 34.5794, 38.0844,
50.8763

■ 39.3579, 42.4490,
51.4669

■ 44.7490, 47.2251,
52.1047

■ 50.7757, 52.4259,
52.7909

■ 57.4599, 58.0639,
53.5268

■ 64.8223, 64.1510,
54.3137

Harmonies

Analogous

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



18.5216, 24.4452, 41.0123



21.0727, 24.4452, 48.9551



24.4618, 24.4452, 50.1467

Triad

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



21.0727, 24.4452, 48.9551



30.4245, 24.4452, 23.3091



19.1749, 24.4452, 14.5709

Complementary

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



21.0727, 24.4452, 48.9551



26.6995, 22.2348, 8.8467

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.



22.0488, 24.4452, 11.9123



21.0727, 24.4452, 48.9551



28.6857, 24.4452, 16.0585

Square

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



21.0727, 24.4452, 48.9551



30.0966, 24.4452, 33.5359



25.5392, 24.4452, 12.3790



17.5037, 24.4452, 20.7213

Rectangle

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



21.0727, 24.4452, 48.9551



26.7759, 24.4452, 46.6994



25.5392, 24.4452, 12.3790



20.0199, 24.4452, 13.3180

Sweetspot

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



21.0735, 24.4461, 48.9557



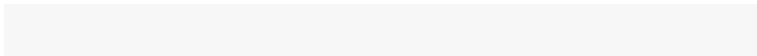
65.2607, 71.4192, 92.5503



22.5843, 36.7590, 20.8154



13.5508, 14.9179, 19.8868



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.0735, 24.4461, 48.9557



33.0869, 38.1008, 87.8149



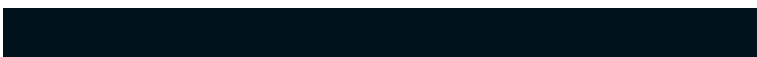
14.7368, 11.7726, 46.8435



8.9852, 9.6477, 11.4681



10.4351, 11.3298, 32.8900



0.4244, 0.5126, 1.1783

Inverse Universe

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



26.9790, 16.6809, 27.7852



45.3450, 25.0617, 43.1806



34.7330, 38.3018, 11.5245



9.2389, 9.1059, 10.6054



15.8808, 7.9261, 12.5251



0.5884, 0.2908, 0.5919

Previews

White Background



This preview shows how the XYZ color 21.0727, 24.4452, 48.9551 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 21.0727, 24.4452, 48.9551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

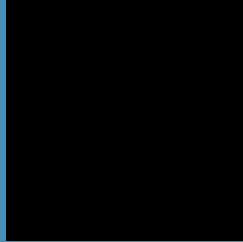
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0727, 24.4452, 48.9551

Background



This preview shows how black text looks on a background with the XYZ color 21.0727, 24.4452, 48.9551.

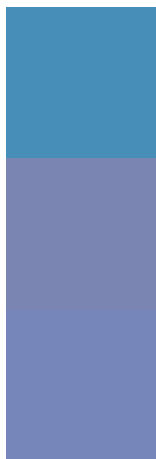


This preview shows how white text looks on a background with the XYZ color 21.0727, 24.4452,

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

21.0727, 24.4452, 48.9551

Protanopia

24.4917, 24.1603, 44.9675

Deuteranopia

24.7217, 24.1718, 49.8170



Tritanopia

18.5552, 24.3313, 36.5193

Trichromacy



Original Color

21.0727, 24.4452, 48.9551

Protanomaly

22.8928, 24.1297, 46.6309

Deuteranomaly

23.0694, 24.1608, 49.3466

Tritanomaly

19.4611, 24.4749, 40.7442

Monochromacy



Original Color

21.0727, 24.4452, 48.9551

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4616, 21.6733, 30.7614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0727, 24.4452, 48.9551 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(71, 143, 184)` looks like.

```
.text, #text, p{  
    color:rgb(71, 143, 184)  
}
```

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(71, 143, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 143, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.0727, 24.4452, 48.9551 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(71, 143, 184) }
```


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

```
.border{ border-color:rgb(71, 143, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 143, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 143, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 143, 184);  
box-shadow:4px 4px 4px 4px rgb(71, 143,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0727, 24.4452, 48.9551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 143, 184) }
```

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

```
.background{ background-color: rgb(71, 143,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor