

Converting Colors

XYZ(21.8034, 26.5251, 45.0450)

Have a look what the booklet for
XYZ(21.8034, 26.5251, 45.0450)
contains.

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Color

**XYZ(21.8034, 26.5251,
45.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	4D96B0
RGB	77, 150, 176
RGB Percent	30%, 59%, 69%
CMY	0.6980, 0.4118, 0.3098
CMYK	0.56, 0.15, 0.00, 0.31
HSL	196°, 39%, 50%
HSV	196°, 56%, 69%
XYZ	21.8034, 26.5251, 45.0450
YIQ	131.1370, -51.8540, -7.3900

Conversions

Conversions Part 2

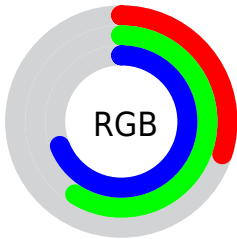
Format	Color
RYB	77, 119, 176
Decimal	5084848
CIELab	58.53, -15.18, -20.52
CIELCh	59, 25.526, 233.506
Yxy	26.5251, 0.2335, 0.2841
Android (android.graphics.Color)	4283274928 (0xFF4D96B0)
YUV	131.1370, 22.1175, -47.4781
Hunter-Lab	51.5025, -14.5621, -15.8043

Details

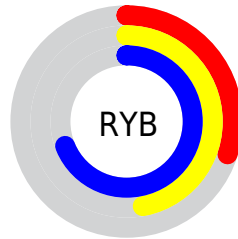
The XYZ color **21.8034, 26.5251, 45.0450** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.0950, 19.4672, 9.5097**, and the grayscale version is **21.5599, 22.6827, 24.7014**.

A 20% lighter version of the original color is **45.8312, 53.9985, 84.3511**, and **8.0495, 10.3602, 20.3144** is the 20% darker color. If you saturate the color by 10%, you get **19.8479, 24.4441, 44.7469**, and if you desaturate by 10%, it is **24.1739, 28.8643, 45.3721**.

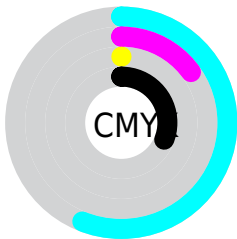
Distribution



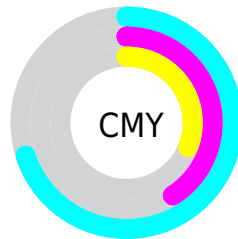
- Red (30%)
- Green (59%)
- Blue (69%)



- Red (30%)
- Yellow (47%)
- Blue (69%)



- Cyan (56%)
- Magenta (15%)
- Yellow (0%)
- Black (31%)



- Cyan (70%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8034, 26.5251, 45.0450 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 21.8034, 26.5251, 45.0450 by changing the saturation by 10% instead.

■ 21.8034, 26.5251,
45.0450

■ 21.8034, 26.5251,
45.0450

254.1696,
285.3503, 383.1212

■ 13.8283, 17.2169,
31.1497

■ 45.9021, 54.1209,
84.1071

■ 8.0822, 10.3892,
20.4534

■ 62.7565, 73.1772,
110.1109

■ 4.1999, 5.6578,
12.5377

■ 83.3013, 96.2517,
140.9880

■ 1.8158, 2.6381,
6.9840

■ 107.9019,
123.7287, 177.1569

■ 0.5272, 0.9459,
3.3738

■ 136.9236,
155.9927, 219.0362

■ 0.0000, 0.0000,
1.2885

170.7320,

■ 0.0000, 0.0000,

193.4280, 267.0443

0.0524

209.6921,
236.4191, 321.5998

■ 0.0000, 0.0000,
0.0000

■ 21.8034, 26.5251,
45.0450

■ 21.8034, 26.5251,
45.0450

■ 19.8479, 24.4441,
44.7469

■ 24.1739, 28.8643,
45.3721

■ 18.2727, 22.6013,
44.4742

■ 26.9854, 31.4741,
45.7276

■ 17.0415, 20.9780,
44.2258

■ 30.2646, 34.3691,
46.1136

■ 16.1047, 19.5482,
43.9992

■ 34.0354, 37.5621,
46.5312

■ 15.7899, 19.0413,
43.9179

■ 38.3200, 41.0651,
46.9815

■ 43.1390, 44.8892,
47.4656

■ 48.5122, 49.0448,
47.9845

■ 54.4579, 53.5421,
48.5392

■ 60.9939, 58.3906,
49.1306

Harmonies

Analogous

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



20.0922, 26.5251, 36.3042



21.8034, 26.5251, 45.0450



24.5377, 26.5251, 49.5793

Triad

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



21.8034, 26.5251, 45.0450



31.6662, 26.5251, 30.8719



22.8895, 26.5251, 15.7988

Complementary

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



21.8034, 26.5251, 45.0450



24.0950, 19.4672, 9.5097

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.



25.8971, 26.5251, 14.9336



21.8034, 26.5251, 45.0450



31.1336, 26.5251, 22.5462

Square

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



21.8034, 26.5251, 45.0450



30.3578, 26.5251, 40.3743



28.9570, 26.5251, 17.1368



20.6821, 26.5251, 19.8069

Rectangle

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



21.8034, 26.5251, 45.0450



26.6411, 26.5251, 49.0570



28.9570, 26.5251, 17.1368



23.8336, 26.5251, 15.1704

Sweetspot

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



21.8043, 26.5261, 45.0456



60.9671, 67.4904, 84.3089



20.9725, 33.5835, 17.8833



12.9129, 14.3753, 18.2385



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.8043, 26.5261, 45.0456



35.3953, 43.6568, 81.0564



15.6247, 14.1670, 42.9858



8.5501, 9.2463, 10.8404



11.6347, 14.0698, 32.2395



0.4105, 0.5315, 1.0292

Inverse Universe

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



26.0641, 16.7407, 30.7128



44.2372, 25.5521, 50.8118



30.3516, 31.9805, 11.5952



8.7528, 8.6079, 10.1969



16.1073, 7.9605, 16.2570



0.5292, 0.2594, 0.6295

Previews

White Background



This preview shows how the XYZ color 21.8034, 26.5251, 45.0450 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 21.8034, 26.5251, 45.0450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

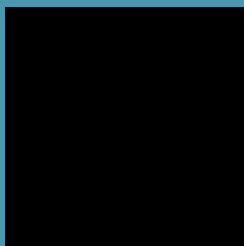
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8034, 26.5251, 45.0450

Background



This preview shows how black text looks on a background with the XYZ color 21.8034, 26.5251, 45.0450.



This preview shows how white text looks on a background with the XYZ color 21.8034, 26.5251,

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

21.8034, 26.5251, 45.0450

Protanopia

26.1320, 26.3607, 40.7566

Deuteranopia

26.7552, 26.1325, 46.2818



Tritanopia

20.6016, 26.5145, 39.1540

Trichromacy



Original Color

21.8034, 26.5251, 45.0450

Protanomaly

23.9832, 26.0959, 42.3010

Deuteranomaly

24.5189, 26.0711, 45.8594

Tritanomaly

20.9585, 26.4162, 41.0400

Monochromacy



Original Color

21.8034, 26.5251, 45.0450

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9105, 23.6630, 31.0691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8034, 26.5251, 45.0450 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(77, 150, 176)` looks like.

```
.text, #text, p{  
    color:rgb(77, 150, 176)  
}
```

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(77, 150, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 150, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.8034, 26.5251, 45.0450 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(77, 150, 176) }
```


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

```
.border{ border-color:rgb(77, 150, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 150, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 150, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 150, 176);  
box-shadow:4px 4px 4px 4px rgb(77, 150,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8034, 26.5251, 45.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 150, 176) }
```

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

```
.background{ background-color: rgb(77, 150,  
176) }
```

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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