

Converting Colors

XYZ(22.0375, 26.7309, 45.3523)

Have a look what the booklet for
XYZ(22.0375, 26.7309, 45.3523)
contains.

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Color

**XYZ(21.9840, 26.6067,
45.5719)**

Conversions

Conversions Part 1

Format	Color
Hex	4E96B1
RGB	78, 150, 177
RGB Percent	31%, 59%, 69%
CMY	0.6941, 0.4118, 0.3059
CMYK	0.56, 0.15, 0.00, 0.31
HSL	196°, 39%, 50%
HSV	196°, 56%, 69%
XYZ	21.9840, 26.6067, 45.5719
YIQ	131.5500, -51.5790, -6.8670

Conversions

Conversions Part 2

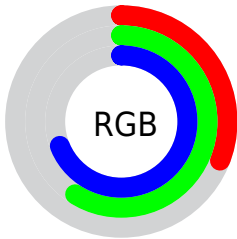
Format	Color
R_{YB}	78, 120, 177
Decimal	5150385
CIE _{Lab}	58.61, -14.67, -20.97
CIE _{LCh}	59, 25.589, 235.027
Yxy	26.6067, 0.2335, 0.2826
Android (android.graphics.Color)	4283340465 (0xFF4E96B1)
YUV	131.5500, 22.4068, -46.9634
Hunter-Lab	51.5817, -14.1916, -16.2749

Details

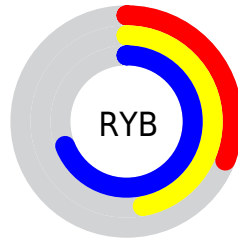
The XYZ color **21.9840, 26.6067, 45.5719** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.5588, 20.0011, 9.7747**, and the grayscale version is **21.7064, 22.8369, 24.8693**.

A 20% lighter version of the original color is **46.1324, 54.1373, 85.1089**, and **8.1375, 10.3983, 20.6470** is the 20% darker color. If you saturate the color by 10%, you get **19.9700, 24.4489, 45.2620**, and if you desaturate by 10%, it is **24.4217, 29.0311, 45.9119**.

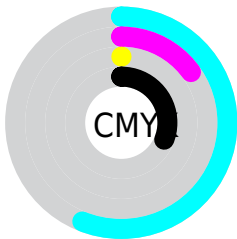
Distribution



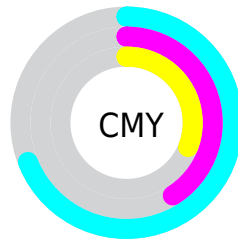
- Red (31%)
- Green (59%)
- Blue (69%)



- Red (31%)
- Yellow (47%)
- Blue (69%)



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



- Cyan (69%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9840, 26.6067, 45.5719 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 21.9840, 26.6067, 45.5719 by changing the saturation by 10% instead.

■ 21.9840, 26.6067,
45.5719

■ 21.9840, 26.6067,
45.5719

255.0966,
285.7478, 385.3123

■ 13.9617, 17.2781,
31.5619

■ 46.1986, 54.2521,
84.9055

■ 8.1755, 10.4329,
20.7651

■ 63.1216, 73.3377,
111.0661

■ 4.2602, 5.6869,
12.7628

■ 83.7422, 96.4443,
142.1141

■ 1.8504, 2.6557,
7.1366

■ 108.4257,
123.9564, 178.4679

■ 0.5477, 0.9547,
3.4679

■ 137.5376,
156.2585, 220.5461

■ 0.0000, 0.0000,
1.3383

171.4431,

■ 0.0000, 0.0000,

193.7347, 268.7672

0.0928

210.5077,
236.7697, 323.5497

■ 0.0000, 0.0000,
0.0000

■ 21.9840, 26.6067,
45.5719

■ 21.9840, 26.6067,
45.5719

■ 19.9700, 24.4489,
45.2620

■ 24.4217, 29.0311,
45.9119

■ 18.3447, 22.5375,
44.9788

■ 27.3095, 31.7347,
46.2815

■ 17.0713, 20.8534,
44.7208

■ 30.6744, 34.7325,
46.6828

■ 16.1013, 19.3712,
44.4859

■ 34.5406, 38.0374,
47.1169

■ 15.7505, 18.8035,
44.3948

■ 38.9306, 41.6616,
47.5851

■ 43.8654, 45.6164,
48.0884

■ 49.3648, 49.9126,
48.6278

■ 55.4476, 54.5604,
49.2043

■ 62.1319, 59.5694,
49.8188

Harmonies

Analogous

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



20.2037, 26.6067, 36.9169



21.9840, 26.6067, 45.5719



24.7691, 26.6067, 49.8331

Triad

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



21.9840, 26.6067, 45.5719



31.7923, 26.6067, 30.4950



22.8201, 26.6067, 15.9585

Complementary

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



21.9840, 26.6067, 45.5719



24.5588, 20.0011, 9.7747

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.



25.8158, 26.6067, 14.9342



21.9840, 26.6067, 45.5719



31.1628, 26.6067, 22.2545

Square

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



21.9840, 26.6067, 45.5719



30.5651, 26.6067, 40.0531



28.9094, 26.6067, 16.9870



20.6577, 26.6067, 20.1472

Rectangle

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



21.9840, 26.6067, 45.5719



26.8865, 26.6067, 49.0816



28.9094, 26.6067, 16.9870



23.7558, 26.6067, 15.2750

Sweetspot

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



21.9849, 26.6077, 45.5725



60.8643, 67.2847, 84.2747



21.3838, 34.0722, 18.6539



12.8883, 14.3261, 18.2303



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.



21.9849, 26.6077, 45.5725



35.0627, 42.9916, 80.9455



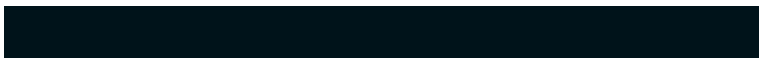
15.7419, 14.1217, 43.4915



8.5428, 9.2318, 10.8380



11.4641, 13.7286, 32.1826



0.4062, 0.5229, 1.0278

Inverse Universe

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



26.3616, 16.9987, 30.7468



44.0694, 25.4849, 49.9278



31.0464, 32.9761, 11.9372



8.7492, 8.6064, 10.1775



16.0212, 7.9260, 15.8035



0.5270, 0.2586, 0.6181

Previews

White Background



This preview shows how the XYZ color 21.9840, 26.6067, 45.5719 looks on a white background.

Color Contrast Check

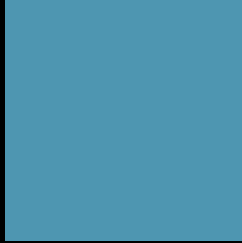
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9840, 26.6067, 45.5719 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

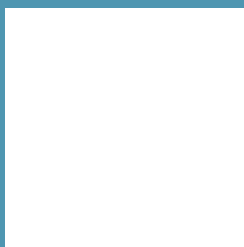
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9840, 26.6067, 45.5719

Background



This preview shows how black text looks on a background with the XYZ color 21.9840, 26.6067, 45.5719.



This preview shows how white text looks on a background with the XYZ color 21.9840, 26.6067,

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

21.9840, 26.6067, 45.5719

Protanopia

26.2256, 26.3981, 41.2492

Deuteranopia

26.9996, 26.4588, 46.8640



Tritanopia

20.6767, 26.5533, 39.1575

Trichromacy



Original Color

21.9840, 26.6067, 45.5719

Protanomaly

24.2083, 26.2009, 42.8111

Deuteranomaly

24.6197, 26.1114, 46.3902

Tritanomaly

21.1297, 26.4936, 41.5362

Monochromacy



Original Color

21.9840, 26.6067, 45.5719

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.2600, 24.0481, 31.5382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9840, 26.6067, 45.5719 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(78, 150, 177)` looks like.

```
.text, #text, p{  
    color:rgb(78, 150, 177)  
}
```

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(78, 150, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 150, 177) }
```

Border

The CSS property to change the border of an element to XYZ 21.9840, 26.6067, 45.5719 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(78, 150, 177) }
```


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

```
.border{ border-color:rgb(78, 150, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 150, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 150, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 150, 177);  
box-shadow:4px 4px 4px 4px rgb(78, 150,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9840, 26.6067, 45.5719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 150, 177) }
```

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

```
.background{ background-color: rgb(78, 150,  
177) }
```

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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