

Converting Colors

XYZ(21.0839, 24.3855, 47.3386)

Have a look what the booklet for
XYZ(21.0839, 24.3855, 47.3386)
contains.

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Color

**XYZ(21.1434, 24.5176,
47.3341)**

Conversions

Conversions Part 1

Format	Color
Hex	4C8FB5
RGB	76, 143, 181
RGB Percent	30%, 56%, 71%
CMY	0.7019, 0.4392, 0.2902
CMYK	0.58, 0.21, 0.00, 0.29
HSL	202°, 42%, 50%
HSV	202°, 58%, 71%
XYZ	21.1434, 24.5176, 47.3341
YIQ	127.2990, -52.1300, -2.3860

Conversions

Conversions Part 2

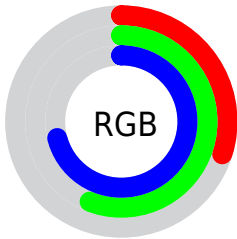
Format	Color
R_{YB}	76, 117, 181
Decimal	5017525
CIE _{Lab}	56.60, -9.98, -26.33
CIE _{LCh}	57, 28.160, 249.236
Yxy	24.5176, 0.2274, 0.2636
Android (android.graphics.Color)	4283207605 (0xFF4C8FB5)
YUV	127.2990, 26.4746, -44.9892
Hunter-Lab	49.5153, -10.4308, -22.0176

Details

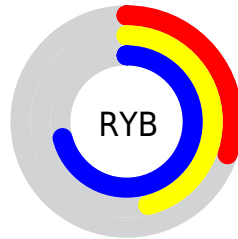
The XYZ color **21.1434, 24.5176, 47.3341** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.3786, 22.3811, 9.7680**, and the grayscale version is **20.2010, 21.2530, 23.1445**.

A 20% lighter version of the original color is **44.9252, 51.0335, 87.6034**, and **7.8106, 9.3872, 21.8223** is the 20% darker color. If you saturate the color by 10%, you get **18.9479, 21.9687, 46.9583**, and if you desaturate by 10%, it is **23.8025, 27.3917, 47.7492**.

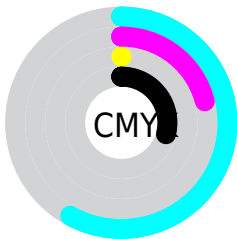
Distribution



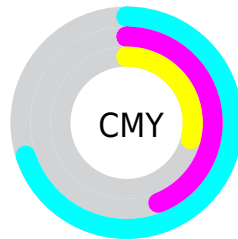
- Red (30%)
- Green (56%)
- Blue (71%)



- Red (30%)
- Yellow (46%)
- Blue (71%)



- Cyan (58%)
- Magenta (21%)
- Yellow (0%)
- Black (29%)



- Cyan (70%)
- Magenta (44%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1434, 24.5176, 47.3341 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 21.1434, 24.5176, 47.3341 by changing the saturation by 10% instead.

■ 21.1434, 24.5176,
47.3341

■ 21.1434, 24.5176,
47.3341

250.7569,
275.4270, 392.5788

■ 13.3419, 15.7180,
32.9436

■ 44.8155, 50.8735,
87.5673

■ 7.7430, 9.3248,
21.8125

■ 61.4169, 69.1987,
114.2471

■ 3.9814, 4.9537,
13.5222

■ 81.6823, 91.4678,
145.8605

■ 1.6916, 2.2201,
7.6542

■ 105.9771,
118.0653, 182.8258

■ 0.4510, 0.7309,
3.7899

■ 134.6666,
149.3756, 225.5618

■ 0.0000, 0.0000,
1.5108

168.1161,

■ 0.0000, 0.0000,

185.7830, 274.4870

0.2259

206.6911,
227.6720, 330.0198

■ 0.0000, 0.0000,
0.0000

■ 21.1434, 24.5176,
47.3341

■ 21.1434, 24.5176,
47.3341

■ 18.9479, 21.9687,
46.9583

■ 23.8025, 27.3917,
47.7492

■ 17.1776, 19.7224,
46.6180

■ 26.9546, 30.6060,
48.2035

■ 15.7915, 17.7565,
46.3116

■ 30.6291, 34.1778,
48.6992

■ 14.7237, 16.0355,
46.0357

■ 34.8527, 38.1220,
49.2379

■ 14.5280, 15.7111,
45.9834

■ 39.6499, 42.4525,
49.8210

■ 45.0436, 47.1826,
50.4497

■ 51.0556, 52.3246,
51.1253

■ 57.7064, 57.8904,
51.8491

■ 65.0157, 63.8913,
52.6221

Harmonies

Analogous

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



18.7624, 24.5176, 39.7898



21.1434, 24.5176, 47.3341



24.3276, 24.5176, 48.7195

Triad

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



21.1434, 24.5176, 47.3341



30.0804, 24.5176, 23.9069



19.5463, 24.5176, 15.0311

Complementary

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



21.1434, 24.5176, 47.3341



26.3786, 22.3811, 9.7680

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.



22.3081, 24.5176, 12.5689



21.1434, 24.5176, 47.3341



28.5233, 24.5176, 16.8443

Square

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



21.1434, 24.5176, 47.3341



29.6944, 24.5176, 33.6057



25.6054, 24.5176, 13.1443



17.9020, 24.5176, 20.8041

Rectangle

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



21.1434, 24.5176, 47.3341



26.5128, 24.5176, 45.7053



25.6054, 24.5176, 13.1443



20.3638, 24.5176, 13.8582

Sweetspot

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



21.1442, 24.5185, 47.3347



63.0074, 68.8135, 88.2561



22.4717, 35.7715, 21.2703



13.2766, 14.5594, 19.0327



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.



21.1442, 24.5185, 47.3347



32.8536, 38.0167, 83.9010



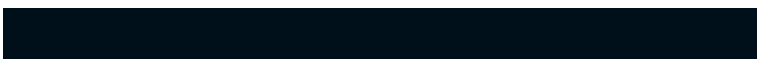
15.1273, 12.4847, 45.3291



8.4789, 9.1039, 10.8167



10.0828, 10.9659, 31.7222



0.3702, 0.4510, 1.0158

Inverse Universe

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



26.5991, 16.9766, 27.8623



44.0974, 25.1239, 43.1691



33.8615, 37.3468, 12.2623



8.7169, 8.5935, 10.0076



15.3240, 7.6471, 12.1319



0.5089, 0.2513, 0.5226

Previews

White Background



This preview shows how the XYZ color 21.1434, 24.5176, 47.3341 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 21.1434, 24.5176, 47.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

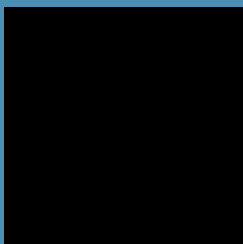
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

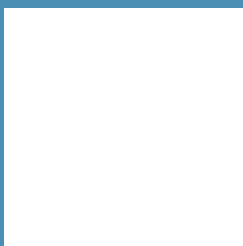
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1434, 24.5176, 47.3341

Background



This preview shows how black text looks on a background with the XYZ color 21.1434, 24.5176, 47.3341.

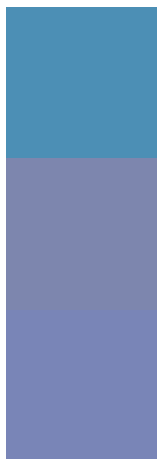


This preview shows how white text looks on a background with the XYZ color 21.1434, 24.5176,

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

21.1434, 24.5176, 47.3341

Protanopia

24.6225, 24.4662, 43.4691

Deuteranopia

24.8199, 24.2589, 48.1740



Tritanopia

19.0065, 24.5639, 36.5405

Trichromacy



Original Color

21.1434, 24.5176, 47.3341

Protanomaly

22.9449, 24.1914, 45.0551

Deuteranomaly

23.2149, 24.2720, 47.7174

Tritanomaly

19.7797, 24.6499, 40.2746

Monochromacy



Original Color

21.1434, 24.5176, 47.3341

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.8383, 22.0698, 30.8181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1434, 24.5176, 47.3341 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(76, 143, 181)` looks like.

```
.text, #text, p{  
    color:rgb(76, 143, 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(76, 143, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 143, 181) }
```

Border

The CSS property to change the border of an element to XYZ 21.1434, 24.5176, 47.3341 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(76, 143, 181) }
```


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

```
.border{ border-color:rgb(76, 143, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 143, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 143, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 143, 181);  
box-shadow:4px 4px 4px 4px rgb(76, 143,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1434, 24.5176, 47.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 143, 181) }
```

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

```
.background{ background-color: rgb(76, 143,  
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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