

Converting Colors

XYZ(21.0404, 24.0579, 45.6542)

Have a look what the booklet for
XYZ(21.0404, 24.0579, 45.6542)
contains.

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Color

**XYZ(21.0404, 24.0579,
45.6542)**

Conversions

Conversions Part 1

Format	Color
Hex	528DB2
RGB	82, 141, 178
RGB Percent	32%, 55%, 70%
CMY	0.6784, 0.4471, 0.3020
CMYK	0.54, 0.21, 0.00, 0.30
HSL	203°, 38%, 51%
HSV	203°, 54%, 70%
XYZ	21.0404, 24.0579, 45.6542
YIQ	127.5770, -47.0410, -1.0010

Conversions

Conversions Part 2

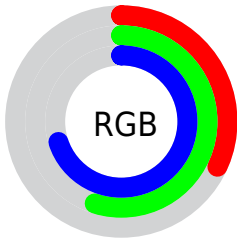
Format	Color
R_YB	82, 119, 178
Decimal	5410226
CIE _{Lab}	56.15, -8.51, -25.30
CIE _{LCh}	56, 26.697, 251.416
Yxy	24.0579, 0.2318, 0.2651
Android (android.graphics.Color)	4283600306 (0xFF528DB2)
YUV	127.5770, 24.8585, -39.9710
Hunter-Lab	49.0489, -9.2647, -20.8524

Details

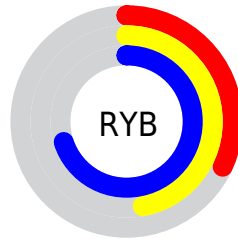
The XYZ color **21.0404, 24.0579, 45.6542** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.4807, 23.2688, 11.0791**, and the grayscale version is **20.3007, 21.3579, 23.2588**.

A 20% lighter version of the original color is **44.8476, 50.3740, 85.2013**, and **7.6739, 9.0820, 20.7506** is the 20% darker color. If you saturate the color by 10%, you get **18.7083, 21.4006, 45.2647**, and if you desaturate by 10%, it is **23.8383, 27.0493, 46.0846**.

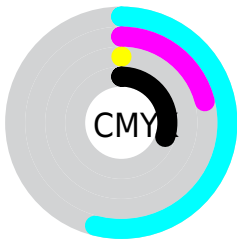
Distribution



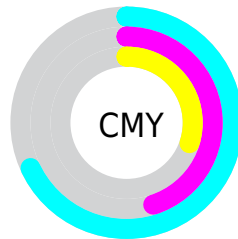
- Red (32%)
- Green (55%)
- Blue (70%)



- Red (32%)
- Yellow (47%)
- Blue (70%)



- Cyan (54%)
- Magenta (21%)
- Yellow (0%)
- Black (30%)



- Cyan (68%)
- Magenta (45%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0404, 24.0579, 45.6542 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 21.0404, 24.0579, 45.6542 by changing the saturation by 10% instead.

■ 21.0404, 24.0579,
45.6542

■ 21.0404, 24.0579,
45.6542

250.2208,
273.1131, 385.6538

■ 13.2662, 15.3766,
31.6263

■ 44.6455, 50.1247,
85.0301

■ 7.6903, 9.0841,
20.8138

■ 61.2071, 68.2789,
111.2151

■ 3.9476, 4.7961,
12.7980

■ 81.4286, 90.3596,
142.2897

■ 1.6725, 2.1281,
7.1605

■ 105.6752,
116.7510, 178.6723

■ 0.4390, 0.6804,
3.4827

134.3124,
147.8377, 220.7815

■ 0.0000, 0.0000,
1.3461

167.7055,

■ 0.0000, 0.0000,

184.0040, 269.0357

0.0991

206.2198,
225.6344, 323.8537

■ 0.0000, 0.0000,
0.0000

■ 21.0404, 24.0579,
45.6542

■ 21.0404, 24.0579,
45.6542

■ 18.7083, 21.4006,
45.2647

■ 23.8383, 27.0493,
46.0846

■ 16.8067, 19.0561,
44.9124

■ 27.1289, 30.3889,
46.5558

■ 15.2987, 17.0042,
44.5958

■ 30.9400, 34.0931,
47.0699

■ 14.1392, 15.2198,
44.3125

■ 35.2963, 38.1761,
47.6284

■ 13.5470, 14.2364,
44.1539

■ 40.2209, 42.6515,
48.2326

■ 45.7356, 47.5318,
48.8840

■ 51.8609, 52.8291,
49.5836

■ 58.6163, 58.5549,
50.3328

■ 66.0205, 64.7201,
51.1325

Harmonies

Analogous

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



18.7282, 24.0579, 39.0113



21.0404, 24.0579, 45.6542



24.0519, 24.0579, 46.4491

Triad

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



21.0404, 24.0579, 45.6542



29.1383, 24.0579, 22.9964



19.1876, 24.0579, 15.4733

Complementary

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



21.0404, 24.0579, 45.6542



26.4807, 23.2688, 11.0791

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.



21.7203, 24.0579, 12.8968



21.0404, 24.0579, 45.6542



27.5731, 24.0579, 16.5468

Square

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



21.0404, 24.0579, 45.6542



28.9149, 24.0579, 31.9460



24.7949, 24.0579, 13.2400



17.7262, 24.0579, 21.1792

Rectangle

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



21.0404, 24.0579, 45.6542



26.0754, 24.0579, 43.3856



24.7949, 24.0579, 13.2400



19.9319, 24.0579, 14.2768

Sweetspot

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



21.0412, 24.0588, 45.6548



62.0622, 67.4289, 86.1252



22.7186, 34.9624, 22.9418



13.3870, 14.6006, 19.0349



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.



21.0412, 24.0588, 45.6548



33.1045, 37.8278, 81.9379



15.4483, 12.8730, 43.7905



8.4621, 9.0704, 10.8111



9.7552, 10.3108, 31.6130



0.3614, 0.4333, 1.0128

Inverse Universe

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



26.1858, 17.4235, 27.1830



43.8854, 26.1341, 42.7331



33.6658, 37.6390, 13.4742



8.7084, 8.5901, 9.9631



15.1586, 7.5810, 11.2613



0.5044, 0.2495, 0.4990

Previews

White Background



This preview shows how the XYZ color 21.0404, 24.0579, 45.6542 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 21.0404, 24.0579, 45.6542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

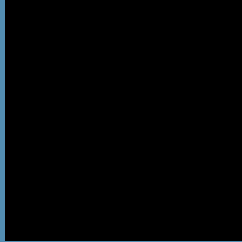
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0404, 24.0579, 45.6542

Background



This preview shows how black text looks on a background with the XYZ color 21.0404, 24.0579, 45.6542.

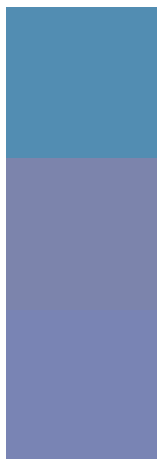


This preview shows how white text looks on a background with the XYZ color 21.0404, 24.0579,

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

21.0404, 24.0579, 45.6542

Protanopia

24.0098, 23.7662, 42.3516

Deuteranopia

24.3746, 23.8628, 46.5013



Tritanopia

19.0352, 24.1410, 35.5547

Trichromacy



Original Color

21.0404, 24.0579, 45.6542

Protanomaly

22.6106, 23.6351, 43.4147

Deuteranomaly

22.8641, 23.7084, 46.0189

Tritanomaly

19.8254, 24.2409, 39.2314

Monochromacy



Original Color

21.0404, 24.0579, 45.6542

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1314, 22.2299, 30.4239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0404, 24.0579, 45.6542 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(82, 141, 178)` looks like.

```
.text, #text, p{  
    color:rgb(82, 141, 178)  
}
```

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(82, 141, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 141, 178) }
```

Border

The CSS property to change the border of an element to XYZ 21.0404, 24.0579, 45.6542 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(82, 141, 178) }
```


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

```
.border{ border-color:rgb(82, 141, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 141, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 141, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 141, 178);  
box-shadow:4px 4px 4px 4px rgb(82, 141,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0404, 24.0579, 45.6542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 141, 178) }
```

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

```
.background{ background-color: rgb(82, 141,  
178) }
```

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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