

Converting Colors

XYZ(21.0507, 24.5840, 42.4524)

Have a look what the booklet for
XYZ(21.0507, 24.5840, 42.4524)
contains.

XYZ(21.1066, 24.6019, 42.6659)	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(21.1066, 24.6019,
42.6659)**

Conversions

Conversions Part 1

Format	Color
Hex	568FAC
RGB	86, 143, 172
RGB Percent	34%, 56%, 67%
CMY	0.6627, 0.4392, 0.3255
CMYK	0.50, 0.17, 0.00, 0.33
HSL	200°, 34%, 51%
HSV	200°, 50%, 67%
XYZ	21.1066, 24.6019, 42.6659
YIQ	129.2630, -43.2810, -3.0650

Conversions

Conversions Part 2

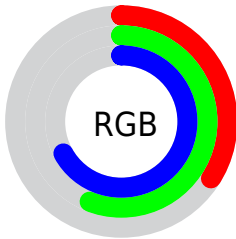
Format	Color
R _Y B	86, 120, 172
Decimal	5672876
CIE Lab	56.69, -10.52, -21.03
CIE LCh	57, 23.517, 243.434
Yxy	24.6019, 0.2388, 0.2784
Android (android.graphics.Color)	4283862956 (0xFF568FAC)
YUV	129.2630, 21.0693, -37.9417
Hunter-Lab	49.6003, -10.8428, -16.2807

Details

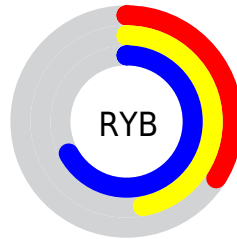
The XYZ color **21.1066, 24.6019, 42.6659** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.8243, 21.7047, 11.6860**, and the grayscale version is **20.8984, 21.9868, 23.9436**.

A 20% lighter version of the original color is **44.8159, 51.1413, 80.1823**, and **7.7565, 9.4178, 19.1783** is the 20% darker color. If you saturate the color by 10%, you get **18.8613, 22.1855, 42.3183**, and if you desaturate by 10%, it is **23.7796, 27.3066, 43.0475**.

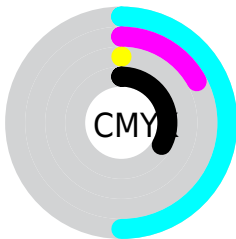
Distribution



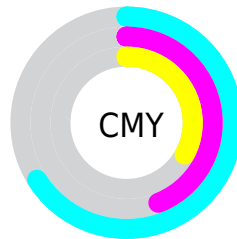
- Red (34%)
- Green (56%)
- Blue (67%)



- Red (34%)
- Yellow (47%)
- Blue (67%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (33%)



- Cyan (66%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1066, 24.6019, 42.6659 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 21.1066, 24.6019, 42.6659 by changing the saturation by 10% instead.

■ 21.1066, 24.6019,
42.6659

■ 21.1066, 24.6019,
42.6659

250.5655,
275.8495, 373.1167

■ 13.3149, 15.7807,
29.2936

■ 44.7548, 51.0106,
80.4874

■ 7.7242, 9.3691,
19.0556

■ 61.3420, 69.3670,
105.7737

■ 3.9693, 4.9827,
11.5332

■ 81.5917, 91.6705,
135.8683

■ 1.6848, 2.2371,
6.3080

■ 105.8693,
118.3056, 171.1900

■ 0.4467, 0.7401,
2.9615

134.5401,
149.6567, 212.1571

■ 0.0000, 0.0000,
1.0750

167.9695,

■ 0.0000, 0.0000,

186.1081, 259.1882

0.0000

206.5228,
228.0442, 312.7019

■ 21.1066, 24.6019,
42.6659

■ 21.1066, 24.6019,
42.6659

■ 18.8613, 22.1855,
42.3183

■ 23.7796, 27.3066,
43.0475

■ 17.0128, 20.0391,
42.0014

■ 26.9036, 30.3111,
43.4628

■ 15.5297, 18.1458,
41.7141

■ 30.5030, 33.6294,
43.9136

■ 14.3740, 16.4851,
41.4545

■ 34.5995, 37.2738,
44.4011

■ 13.4641, 15.0138,
41.2185

■ 39.2136, 41.2556,
44.9265

■ 13.4639, 15.0135,
41.2184

■ 44.3645, 45.5856,
45.4908

■ 50.0705, 50.2742,
46.0950

■ 56.3487, 55.3311,
46.7402

■ 63.2158, 60.7657,
47.4273

Harmonies

Analogous

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



19.2586, 24.6019, 35.9848



21.1066, 24.6019, 42.6659



23.7002, 24.6019, 44.8363

Triad

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



21.1066, 24.6019, 42.6659



29.0432, 24.6019, 25.8942



20.6005, 24.6019, 16.0704

Complementary

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



21.1066, 24.6019, 42.6659



24.8243, 21.7047, 11.6860

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.



23.0694, 24.6019, 14.3777



21.1066, 24.6019, 42.6659



28.0586, 24.6019, 19.3079

Square

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



21.1066, 24.6019, 42.6659



28.4163, 24.6019, 34.1135



25.8182, 24.6019, 15.4364



18.9828, 24.6019, 20.5931

Rectangle

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



21.1066, 24.6019, 42.6659



25.5406, 24.6019, 43.1428



25.8182, 24.6019, 15.4364



21.3512, 24.6019, 15.1964

Sweetspot

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



21.1074, 24.6028, 42.6665



58.7361, 64.0597, 80.0748



21.6663, 32.7142, 21.2927



12.4412, 13.6326, 17.3633



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.1074, 24.6028, 42.6665



33.8219, 39.8049, 76.7063



15.8741, 14.1363, 40.9221



8.0054, 8.6102, 10.1927



10.0715, 11.2768, 30.6903



0.3280, 0.4093, 0.8697

Inverse Universe

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



25.2996, 17.4102, 28.0146



42.6371, 26.4378, 45.5029



30.8636, 33.7833, 13.6991



8.2205, 8.1015, 9.4721



14.9473, 7.4414, 12.6336



0.4399, 0.2167, 0.4785

Previews

White Background



This preview shows how the XYZ color 21.1066, 24.6019, 42.6659 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 21.1066, 24.6019, 42.6659 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 21.1066, 24.6019, 42.6659

Background



This preview shows how black text looks on a background with the XYZ color 21.1066, 24.6019, 42.6659.

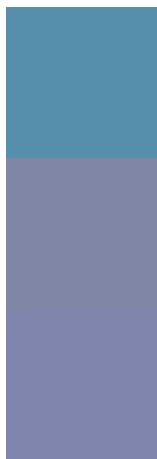


This preview shows how white text looks on a background with the XYZ color 21.1066, 24.6019,

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

21.1066, 24.6019, 42.6659

Protanopia

24.3101, 24.3926, 39.5033

Deuteranopia

24.9296, 24.4202, 43.4440



Tritanopia

19.7580, 24.7414, 35.6325

Trichromacy



Original Color

21.1066, 24.6019, 42.6659

Protanomaly

22.8236, 24.2292, 40.5196

Deuteranomaly

23.2985, 24.4192, 43.0206

Tritanomaly

20.2143, 24.6984, 37.8843

Monochromacy



Original Color

21.1066, 24.6019, 42.6659

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4460, 22.6052, 30.0737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1066, 24.6019, 42.6659 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(86, 143, 172)` looks like.

```
.text, #text, p{  
  color:rgb(86, 143, 172)  
}
```

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(86, 143, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 143, 172) }
```

Border

The CSS property to change the border of an element to XYZ 21.1066, 24.6019, 42.6659 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(86, 143, 172) }
```


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

```
.border{ border-color:rgb(86, 143, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 143, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 143, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 143, 172);  
box-shadow:4px 4px 4px 4px rgb(86, 143,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1066, 24.6019, 42.6659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 143, 172) }
```

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

```
.background{ background-color: rgb(86, 143,  
172) }
```

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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