

Converting Colors

XYZ(20.9999, 21.9746, 52.3277)

Have a look what the booklet for
XYZ(20.9999, 21.9746, 52.3277)
contains.

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Color

**XYZ(21.0486, 22.0134,
52.4299)**

Conversions

Conversions Part 1

Format	Color
Hex	5184BF
RGB	81, 132, 191
RGB Percent	32%, 52%, 75%
CMY	0.6823, 0.4823, 0.2510
CMYK	0.58, 0.31, 0.00, 0.25
HSL	212°, 46%, 53%
HSV	212°, 58%, 75%
XYZ	21.0486, 22.0134, 52.4299
YIQ	123.4770, -49.3350, 7.5370

Conversions

Conversions Part 2

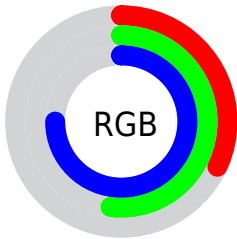
Format	Color
R _Y B	81, 116, 191
Decimal	5342399
CIE Lab	54.04, 0.60, -36.00
CIE LCh	54, 36.005, 270.959
Yxy	22.0134, 0.2204, 0.2305
Android (android.graphics.Color)	4283532479 (0xFF5184BF)
YUV	123.4770, 33.2888, -37.2523
Hunter-Lab	46.9184, -2.0284, -33.4118

Details

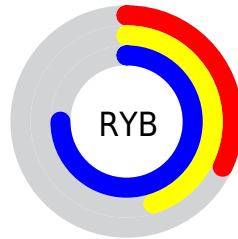
The XYZ color **21.0486, 22.0134, 52.4299** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **32.3504, 30.4284, 11.9540**, and the grayscale version is **18.8901, 19.8739, 21.6427**.

A 20% lighter version of the original color is **44.7735, 46.8785, 95.4956**, and **7.6837, 8.0314, 24.8121** is the 20% darker color. If you saturate the color by 10%, you get **18.3145, 18.6421, 51.9237**, and if you desaturate by 10%, it is **24.3811, 25.8965, 53.0042**.

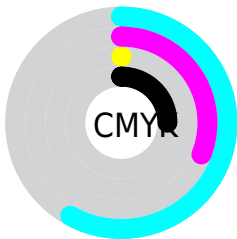
Distribution



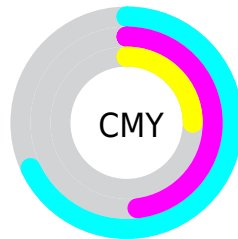
- Red (32%)
- Green (52%)
- Blue (75%)



- Red (32%)
- Yellow (45%)
- Blue (75%)



- Cyan (58%)
- Magenta (31%)
- Yellow (0%)
- Black (25%)



- Cyan (68%)
- Magenta (48%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0486, 22.0134, 52.4299 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 21.0486, 22.0134, 52.4299 by changing the saturation by 10% instead.

■ 21.0486, 22.0134,
52.4299

■ 21.0486, 22.0134,
52.4299

250.2635,
262.6162, 413.0981

■ 13.2722, 13.8667,
36.9633

■ 44.6591, 46.7681,
95.1980

■ 7.6945, 8.0280,
24.8835

■ 61.2238, 64.1450,
123.3365

■ 3.9503, 4.1129,
15.7720

■ 81.4488, 85.3674,
156.5360

■ 1.6740, 1.7369,
9.2104

■ 105.6993,
110.8198, 195.2151

■ 0.4399, 0.4474,
4.7800

134.3406,
140.8864, 239.7923

■ 0.0000, 0.0000,
2.0623

167.7382,

■ 0.0000, 0.0000,

175.9518, 290.6862

0.5932

206.2574,
216.4003, 348.3153

■ 0.0000, 0.0000,
0.0000

■ 21.0486, 22.0134,
52.4299

■ 21.0486, 22.0134,
52.4299

■ 18.3145, 18.6421,
51.9237

■ 24.3811, 25.8965,
53.0042

■ 16.1326, 15.7519,
51.4808

■ 28.3483, 30.3145,
53.6479

■ 14.4534, 13.3115,
51.0983

■ 32.9865, 35.2920,
54.3642

■ 13.2047, 11.2772,
50.7715

■ 38.3281, 40.8507,
55.1556

■ 12.9392, 10.8319,
50.6995

■ 44.4035, 47.0113,
56.0245

■ 51.2412, 53.7934,
56.9732

■ 58.8678, 61.2153,
58.0038

■ 67.3091, 69.2949,
59.1184

■ 76.5893, 78.0490,
60.3190

Harmonies

Analogous

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



17.4955, 22.0134, 48.0225



21.0486, 22.0134, 52.4299



25.0150, 22.0134, 47.4545

Triad

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



21.0486, 22.0134, 52.4299



28.0213, 22.0134, 14.5452



15.0371, 22.0134, 14.9952

Complementary

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



21.0486, 22.0134, 52.4299



32.3504, 30.4284, 11.9540

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.



17.3036, 22.0134, 9.8841



21.0486, 22.0134, 52.4299



24.7714, 22.0134, 9.6867

Square

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



21.0486, 22.0134, 52.4299



29.3358, 22.0134, 23.6119



20.7981, 22.0134, 8.2882



14.2953, 22.0134, 24.3294

Rectangle

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



21.0486, 22.0134, 52.4299



27.2925, 22.0134, 40.1675



20.7981, 22.0134, 8.2882



15.6308, 22.0134, 12.8422

Sweetspot

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



21.0494, 22.0142, 52.4304



68.9723, 73.4988, 98.8306



26.7342, 40.8953, 31.1681



14.6938, 15.6748, 21.6364



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.0494, 22.0142, 52.4304



31.7330, 32.0129, 92.7857



16.0636, 11.5634, 50.6760



9.3712, 9.9348, 12.0959



8.5823, 7.2764, 33.3450



0.4016, 0.4160, 1.3280

Inverse Universe

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



28.5939, 18.6282, 23.9189



47.0970, 27.4944, 34.1905



40.6918, 48.4632, 14.9954



9.7092, 9.6080, 10.8578



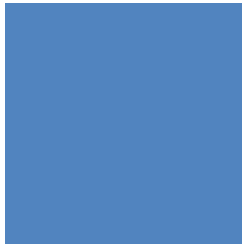
15.3327, 7.7642, 7.0457



0.6336, 0.3173, 0.4500

Previews

White Background



This preview shows how the XYZ color 21.0486, 22.0134, 52.4299 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 21.0486, 22.0134, 52.4299 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 21.0486, 22.0134, 52.4299

Background



This preview shows how black text looks on a background with the XYZ color 21.0486, 22.0134, 52.4299.

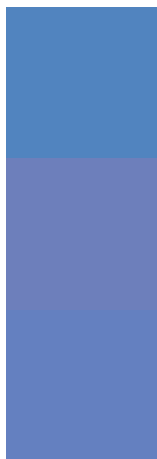


This preview shows how white text looks on a background with the XYZ color 21.0486, 22.0134,

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

21.0486, 22.0134, 52.4299

Protanopia

22.8657, 22.0178, 50.0584

Deuteranopia

22.4891, 21.9534, 52.9213



Tritanopia

17.1440, 22.1144, 32.6431

Trichromacy



Original Color

21.0486, 22.0134, 52.4299

Protanomaly

22.0729, 21.9840, 50.6569

Deuteranomaly

21.8789, 21.8334, 52.9303

Tritanomaly

18.4271, 21.9841, 39.3485

Monochromacy



Original Color

21.0486, 22.0134, 52.4299

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9905, 20.2480, 30.9243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0486, 22.0134, 52.4299 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(81, 132, 191)` looks like.

```
.text, #text, p{  
    color:rgb(81, 132, 191)  
}
```

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(81, 132, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 132, 191) }
```

Border

The CSS property to change the border of an element to XYZ 21.0486, 22.0134, 52.4299 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(81, 132, 191) }
```


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

```
.border{ border-color:rgb(81, 132, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 132, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 132, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 132, 191);  
box-shadow:4px 4px 4px 4px rgb(81, 132,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0486, 22.0134, 52.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 132, 191) }
```

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

```
.background{ background-color: rgb(81, 132,  
191) }
```

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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