

Converting Colors

XYZ(21.5977, 25.5644, 48.4800)

Have a look what the booklet for
XYZ(21.5977, 25.5644, 48.4800)
contains.

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Color

**XYZ(21.6534, 25.6641,
48.6121)**

Conversions

Conversions Part 1

Format	Color
Hex	4893B7
RGB	72, 147, 183
RGB Percent	28%, 58%, 72%
CMY	0.7176, 0.4235, 0.2823
CMYK	0.61, 0.20, 0.00, 0.28
HSL	199°, 44%, 50%
HSV	199°, 61%, 72%
XYZ	21.6534, 25.6641, 48.6121
YIQ	128.6790, -56.2560, -4.7040

Conversions

Conversions Part 2

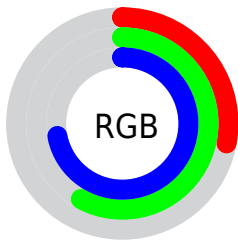
Format	Color
R _Y B	72, 117, 183
Decimal	4756407
CIE Lab	57.72, -12.37, -25.76
CIE LCh	58, 28.577, 244.349
Yxy	25.6641, 0.2257, 0.2675
Android (android.graphics.Color)	4282946487 (0xFF4893B7)
YUV	128.6790, 26.7803, -49.7075
Hunter-Lab	50.6597, -12.3586, -21.4317

Details

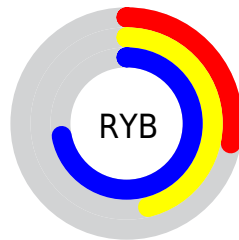
The XYZ color **21.6534, 25.6641, 48.6121** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.0613, 21.2611, 8.8619**, and the grayscale version is **20.6784, 21.7553, 23.6915**.

A 20% lighter version of the original color is **45.6726, 52.7511, 89.4361**, and **8.2121, 9.9774, 22.6121** is the 20% darker color. If you saturate the color by 10%, you get **19.5877, 23.2647, 48.2583**, and if you desaturate by 10%, it is **24.1745, 28.3699, 49.0020**.

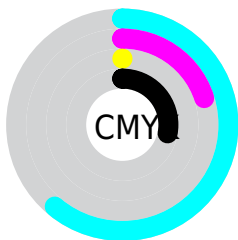
Distribution



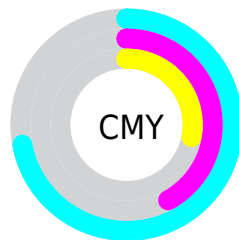
- Red (28%)
- Green (58%)
- Blue (72%)



- Red (28%)
- Yellow (46%)
- Blue (72%)



- Cyan (61%)
- Magenta (20%)
- Yellow (0%)
- Black (28%)



- Cyan (72%)
- Magenta (42%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6534, 25.6641, 48.6121 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 21.6534, 25.6641, 48.6121 by changing the saturation by 10% instead.

■ 21.6534, 25.6641,
48.6121

■ 21.6534, 25.6641,
48.6121

■ 253.3974,
281.1293, 397.7917

■ 13.7176, 16.5725,
33.9484

■ 45.6556, 52.7326,
89.4901

■ 8.0049, 9.9302,
22.5770

■ 62.4527, 71.4782,
116.5415

■ 4.1499, 5.3527,
14.0791

■ 82.9344, 94.2107,
148.5592

■ 1.7873, 2.4556,
8.0363

■ 107.4658,
121.3144, 185.9618

■ 0.5100, 0.8543,
4.0301

■ 136.4125,
153.1737, 229.1678

■ 0.0000, 0.0000,
1.6419

170.1398,

■ 0.0000, 0.0000,

190.1730, 278.5958

0.3204

209.0129,
232.6967, 334.6642

■ 0.0000, 0.0000,
0.0000

■ 21.6534, 25.6641,
48.6121

■ 21.6534, 25.6641,
48.6121

■ 19.5877, 23.2647,
48.2583

■ 24.1745, 28.3699,
49.0020

■ 17.9367, 21.1483,
47.9368

■ 27.1817, 31.3976,
49.4279

■ 16.6566, 19.2916,
47.6459

■ 30.7060, 34.7646,
49.8920

■ 15.7112, 17.7466,
47.3976

■ 34.7749, 38.4861,
50.3959

■ 39.4138, 42.5761,
50.9409

■ 44.6465, 47.0478,
51.5282

■ 50.4954, 51.9138,
52.1592

■ 56.9816, 57.1859,
52.8349

■ 64.1253, 62.8753,
53.5566

Harmonies

Analogous

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



19.3526, 25.6641, 39.9856



21.6534, 25.6641, 48.6121



24.8955, 25.6641, 51.2674

Triad

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



21.6534, 25.6641, 48.6121



31.5617, 25.6641, 26.5386



20.8646, 25.6641, 15.0919

Complementary

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



21.6534, 25.6641, 48.6121



26.0613, 21.2611, 8.8619

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.



23.8972, 25.6641, 13.0478



21.6534, 25.6641, 48.6121



30.2403, 25.6641, 18.6006

Square

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



21.6534, 25.6641, 48.6121



30.8199, 25.6641, 36.9232



27.3544, 25.6641, 14.1635



18.9280, 25.6641, 20.5528

Rectangle

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



21.6534, 25.6641, 48.6121



27.2084, 25.6641, 48.8742



27.3544, 25.6641, 14.1635



21.7787, 25.6641, 14.0489

Sweetspot

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



21.6543, 25.6650, 48.6127



64.1446, 70.5928, 90.4807



22.2684, 36.3100, 19.7871



13.6614, 15.1390, 19.9237



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.6543, 25.6650, 48.6127



33.9490, 40.2635, 86.2180



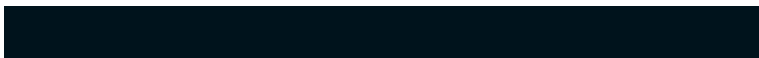
15.0780, 12.5126, 46.4206



9.0145, 9.7063, 11.4778



11.0247, 12.5090, 33.0865



0.4423, 0.5482, 1.1843

Inverse Universe

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



27.1129, 16.8094, 29.4203



45.1512, 25.0369, 46.1710



33.7339, 36.6061, 11.4194



9.2537, 9.1118, 10.6833



16.1784, 8.0451, 14.0923



0.5974, 0.2944, 0.6393

Previews

White Background



This preview shows how the XYZ color 21.6534, 25.6641, 48.6121 looks on a white background.

Color Contrast Check

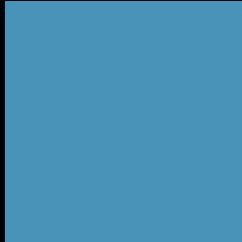
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6534, 25.6641, 48.6121 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 21.6534, 25.6641, 48.6121

Background



This preview shows how black text looks on a background with the XYZ color 21.6534, 25.6641, 48.6121.

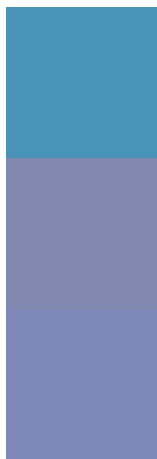


This preview shows how white text looks on a background with the XYZ color 21.6534, 25.6641,

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

21.6534, 25.6641, 48.6121

Protanopia

25.4441, 25.2927, 44.0984

Deuteranopia

26.0186, 25.4711, 49.4440



Tritanopia

19.7274, 25.8343, 38.5971

Trichromacy



Original Color

21.6534, 25.6641, 48.6121

Protanomaly

23.5983, 25.1587, 45.7318

Deuteranomaly

23.9737, 25.2810, 48.9636

Tritanomaly

20.4088, 25.8732, 41.9486

Monochromacy



Original Color

21.6534, 25.6641, 48.6121

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4133, 22.9664, 31.7908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6534, 25.6641, 48.6121 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(72, 147, 183)` looks like.

```
.text, #text, p{  
    color:rgb(72, 147, 183)  
}
```

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(72, 147, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 147, 183) }
```

Border

The CSS property to change the border of an element to XYZ 21.6534, 25.6641, 48.6121 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(72, 147, 183) }
```


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

```
.border{ border-color:rgb(72, 147, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 147, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 147, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 147, 183);  
box-shadow:4px 4px 4px 4px rgb(72, 147,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6534, 25.6641, 48.6121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 147, 183) }
```

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

```
.background{ background-color: rgb(72, 147,  
183) }
```

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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