

Converting Colors

XYZ(21.4953, 23.8352, 46.6478)

Have a look what the booklet for
XYZ(21.4953, 23.8352, 46.6478)
contains.

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Color

**XYZ(21.4953, 23.8352,
46.6478)**

Conversions

Conversions Part 1

Format	Color
Hex	588BB4
RGB	88, 139, 180
RGB Percent	35%, 55%, 71%
CMY	0.6549, 0.4549, 0.2941
CMYK	0.51, 0.23, 0.00, 0.29
HSL	207°, 38%, 53%
HSV	207°, 51%, 71%
XYZ	21.4953, 23.8352, 46.6478
YIQ	128.4250, -43.5570, 1.9390

Conversions

Conversions Part 2

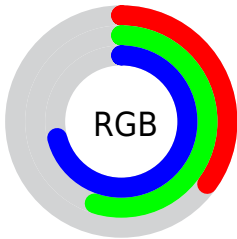
Format	Color
R _Y B	88, 121, 180
Decimal	5802932
CIE Lab	55.92, -5.38, -26.77
CIE LCh	56, 27.303, 258.633
Yxy	23.8352, 0.2337, 0.2591
Android (android.graphics.Color)	4283993012 (0xFF588BB4)
YUV	128.4250, 25.4265, -35.4527
Hunter-Lab	48.8213, -6.8464, -22.4755

Details

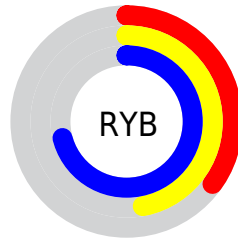
The XYZ color **21.4953, 23.8352, 46.6478** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.4348, 26.1092, 12.7743**, and the grayscale version is **20.5913, 21.6636, 23.5917**.

A 20% lighter version of the original color is **45.3177, 49.5950, 86.5412**, and **7.9098, 8.9383, 21.3870** is the 20% darker color. If you saturate the color by 10%, you get **18.8780, 20.8249, 46.2051**, and if you desaturate by 10%, it is **24.6201, 27.2346, 47.1397**.

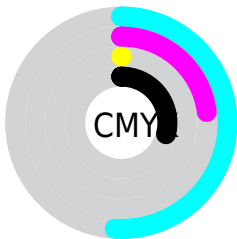
Distribution



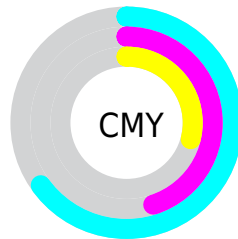
- Red (35%)
- Green (55%)
- Blue (71%)



- Red (35%)
- Yellow (47%)
- Blue (71%)



- Cyan (51%)
- Magenta (23%)
- Yellow (0%)
- Black (29%)



- Cyan (65%)
- Magenta (45%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4953, 23.8352, 46.6478 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 21.4953, 23.8352, 46.6478 by changing the saturation by 10% instead.

■ 21.4953, 23.8352,
46.6478

■ 21.4953, 23.8352,
46.6478

252.5814,
271.9862, 389.7599

■ 13.6010, 15.2114,
32.4050

■ 45.3955, 49.7611,
86.5321

■ 7.9236, 8.9679,
21.4036

■ 62.1322, 67.8321,
113.0107

■ 4.0975, 4.7202,
13.2252

■ 82.5470, 89.8209,
144.4049

■ 1.7574, 2.0841,
7.4513

■ 107.0054,
116.1119, 181.1334

■ 0.4918, 0.6556,
3.6632

135.8726,
147.0895, 223.6145

■ 0.0000, 0.0000,
1.4425

169.5142,

■ 0.0000, 0.0000,

183.1382, 272.2670

0.1745

208.2953,
224.6423, 327.5093

■ 0.0000, 0.0000,
0.0000

■ 21.4953, 23.8352,
46.6478

■ 21.4953, 23.8352,
46.6478

■ 18.8780, 20.8249,
46.2051

■ 24.6201, 27.2346,
47.1397

■ 16.7325, 18.1811,
45.8079

■ 28.2800, 31.0386,
47.6811

■ 15.0216, 15.8825,
45.4544

■ 32.5035, 35.2648,
48.2742

■ 13.7009, 13.9032,
45.1420

■ 37.3161, 39.9289,
48.9208

■ 12.7747, 12.3681,
44.8945

■ 42.7418, 45.0456,
49.6224

■ 48.8029, 50.6287,
50.3807

■ 55.5210, 56.6917,
51.1968

■ 62.9161, 63.2472,
52.0724

■ 71.0079, 70.3073,
53.0087

Harmonies

Analogous

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



18.9246, 23.8352, 41.0610



21.4953, 23.8352, 46.6478



24.6215, 23.8352, 45.8214

Triad

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



21.4953, 23.8352, 46.6478



28.8131, 23.8352, 20.8515



18.4528, 23.8352, 16.1919

Complementary

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



21.4953, 23.8352, 46.6478



28.4348, 26.1092, 12.7743

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.



20.7954, 23.8352, 12.8618



21.4953, 23.8352, 46.6478



26.8452, 23.8352, 15.0958

Square

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



21.4953, 23.8352, 46.6478



29.0442, 23.8352, 29.4798



23.8549, 23.8352, 12.5129



17.2784, 23.8352, 22.7184

Rectangle

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



21.4953, 23.8352, 46.6478



26.6010, 23.8352, 41.7788



23.8549, 23.8352, 12.5129



19.1193, 23.8352, 14.7325

Sweetspot

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



21.4961, 23.8361, 46.6484



63.9098, 68.7933, 88.2046



24.2340, 36.2729, 26.1011



13.4230, 14.4904, 19.0117



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.



21.4961, 23.8361, 46.6484



33.8307, 37.2839, 83.7081



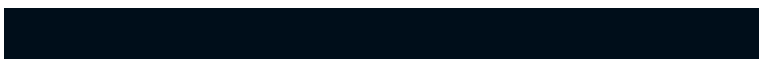
16.2781, 13.4000, 44.9090



8.4195, 8.9851, 10.7969



8.9837, 8.7678, 31.3559



0.3398, 0.3901, 1.0056

Inverse Universe

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



26.9730, 18.5476, 26.5853



45.2464, 28.0947, 41.4784



35.6947, 40.6291, 15.1942



8.6869, 8.5815, 9.8498



14.7692, 7.4252, 9.2107



0.4935, 0.2452, 0.4416

Previews

White Background



This preview shows how the XYZ color 21.4953, 23.8352, 46.6478 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 21.4953, 23.8352, 46.6478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

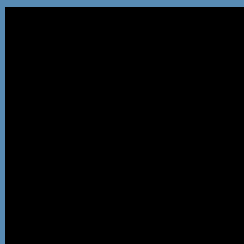
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

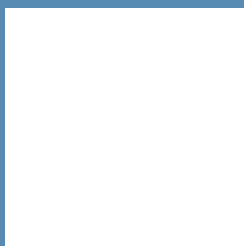
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4953, 23.8352, 46.6478

Background



This preview shows how black text looks on a background with the XYZ color 21.4953, 23.8352, 46.6478.

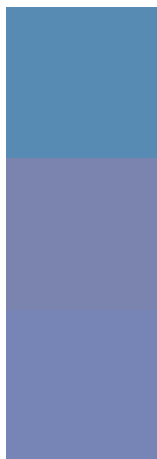


This preview shows how white text looks on a background with the XYZ color 21.4953, 23.8352,

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

21.4953, 23.8352, 46.6478

Protanopia

24.0152, 23.7352, 43.8731

Deuteranopia

24.3025, 23.8019, 47.5693



Tritanopia

19.1979, 24.0185, 34.6346

Trichromacy



Original Color

21.4953, 23.8352, 46.6478

Protanomaly

23.0302, 23.8173, 44.9783

Deuteranomaly

23.1888, 23.8523, 47.0978

Tritanomaly

19.9411, 23.8653, 38.6774

Monochromacy



Original Color

21.4953, 23.8352, 46.6478

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3278, 22.1198, 30.8019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4953, 23.8352, 46.6478 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(88, 139, 180)` looks like.

```
.text, #text, p{  
    color:rgb(88, 139, 180)  
}
```

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(88, 139, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 139, 180) }
```

Border

The CSS property to change the border of an element to XYZ 21.4953, 23.8352, 46.6478 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(88, 139, 180) }
```


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

```
.border{ border-color:rgb(88, 139, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 139, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 139, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 139, 180);  
box-shadow:4px 4px 4px 4px rgb(88, 139,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4953, 23.8352, 46.6478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 139, 180) }
```

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

```
.background{ background-color: rgb(88, 139,  
180) }
```

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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