

Converting Colors

XYZ(20.7399, 21.6471, 44.1336)

Have a look what the booklet for
XYZ(20.7399, 21.6471, 44.1336)
contains.

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Color

**XYZ(20.7489, 21.6412,
44.1579)**

Conversions

Conversions Part 1

Format	Color
Hex	6182B0
RGB	97, 130, 176
RGB Percent	38%, 51%, 69%
CMY	0.6196, 0.4902, 0.3098
CMYK	0.45, 0.26, 0.00, 0.31
HSL	215°, 33%, 54%
HSV	215°, 45%, 69%
XYZ	20.7489, 21.6412, 44.1579
YIQ	125.3770, -34.4340, 7.3100

Conversions

Conversions Part 2

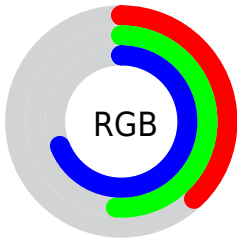
Format	Color
R_{YB}	97, 120, 176
Decimal	6390448
CIE Lab	53.64, 0.87, -27.96
CIE LCh	54, 27.977, 271.784
Yxy	21.6412, 0.2397, 0.2500
Android (android.graphics.Color)	4284580528 (0xFF6182B0)
YUV	125.3770, 24.9571, -24.8866
Hunter-Lab	46.5201, -1.7956, -23.7153

Details

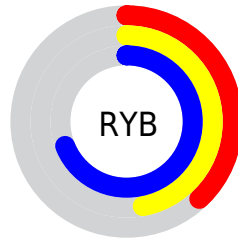
The XYZ color **20.7489, 21.6412, 44.1579** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.8855, 29.7392, 15.4754**, and the grayscale version is **19.5474, 20.5654, 22.3958**.

A 20% lighter version of the original color is **44.2615, 46.2725, 82.9426**, and **7.5138, 7.8285, 19.8539** is the 20% darker color. If you saturate the color by 10%, you get **17.7816, 18.1880, 43.6482**, and if you desaturate by 10%, it is **24.2695, 25.5821, 44.7334**.

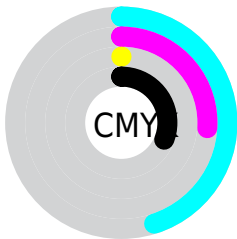
Distribution



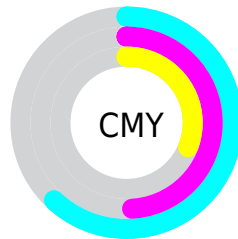
- Red (38%)
- Green (51%)
- Blue (69%)



- Red (38%)
- Yellow (47%)
- Blue (69%)



- Cyan (45%)
- Magenta (26%)
- Yellow (0%)
- Black (31%)



- Cyan (62%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7489, 21.6412, 44.1579 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 20.7489, 21.6412, 44.1579 by changing the saturation by 10% instead.

■ 20.7489, 21.6412,
44.1579

■ 20.7489, 21.6412,
44.1579

248.6981,
260.6668, 379.4124

■ 13.0520, 13.5935,
30.4566

■ 44.1637, 46.1523,
82.7603

■ 7.5416, 7.8385,
19.9304

■ 60.6123, 63.3844,
108.4984

■ 3.8524, 3.9918,
12.1609

■ 80.7088, 84.4468,
139.0859

■ 1.6190, 1.6690,
6.7295

■ 104.8187,
109.7239, 174.9413

■ 0.4047, 0.4034,
3.2176

133.3071,
139.6000, 216.4831

■ 0.0000, 0.0000,
1.2068

166.5396,

■ 0.0000, 0.0000,

174.4596, 264.1298

0.0000

204.8815,
214.6871, 318.3001

■ 20.7489, 21.6412,
44.1579

■ 20.7489, 21.6412,
44.1579

■ 17.7816, 18.1880,
43.6482

■ 24.2695, 25.5821,
44.7334

■ 15.3336, 15.1978,
43.2000

■ 28.3703, 30.0288,
45.3756

■ 13.3703, 12.6471,
42.8112

■ 33.0789, 35.0015,
46.0872

■ 11.8512, 10.5085,
42.4784

■ 38.4205, 40.5183,
46.8705

■ 10.7280, 8.7502,
42.1982

■ 44.4187, 46.5964,
47.7276

■ 10.2532, 7.9680,
42.0723

■ 51.0959, 53.2522,
48.6604

■ 58.4734, 60.5015,
49.6708

■ 66.5715, 68.3592,
50.7607

■ 75.2608, 76.7631,
51.9248

Harmonies

Analogous

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



17.9683, 21.6412, 41.2609



20.7489, 21.6412, 44.1579



23.7497, 21.6412, 40.5204

Triad

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



20.7489, 21.6412, 44.1579



25.8555, 21.6412, 15.9092



15.9064, 21.6412, 16.6027

Complementary

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



20.7489, 21.6412, 44.1579



29.8855, 29.7392, 15.4754

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.



17.6863, 21.6412, 12.1527



20.7489, 21.6412, 44.1579



23.4100, 21.6412, 11.8259

Square

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



20.7489, 21.6412, 44.1579



26.8697, 21.6412, 23.0545



20.3908, 21.6412, 10.6371



15.3398, 21.6412, 24.0802

Rectangle

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



20.7489, 21.6412, 44.1579



25.4268, 21.6412, 35.2920



20.3908, 21.6412, 10.6371



16.3735, 21.6412, 14.7725

Sweetspot

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



20.7496, 21.6420, 44.1584



61.5182, 65.0691, 83.8125



25.3208, 35.5387, 31.0254



12.9014, 13.6526, 18.0996



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.7496, 21.6420, 44.1584



32.2197, 32.9511, 79.1573



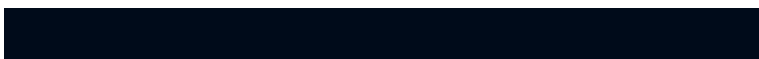
17.6218, 14.5254, 42.9496



8.3239, 8.7940, 10.7650



7.5781, 5.9565, 30.8873



0.2966, 0.3038, 0.9912

Inverse Universe

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



26.2091, 19.3921, 23.4814



43.6973, 29.4059, 35.4221



34.4201, 40.5423, 17.3216



8.6387, 8.5622, 9.5958



14.0597, 7.1414, 5.4744



0.4717, 0.2364, 0.3269

Previews

White Background



This preview shows how the XYZ color 20.7489, 21.6412, 44.1579 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 20.7489, 21.6412, 44.1579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

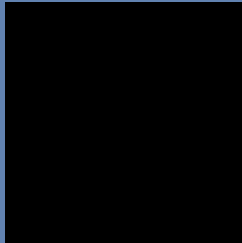
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

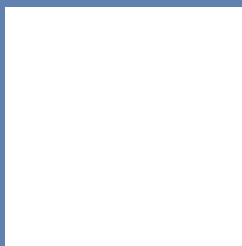
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7489, 21.6412, 44.1579

Background



This preview shows how black text looks on a background with the XYZ color 20.7489, 21.6412, 44.1579.

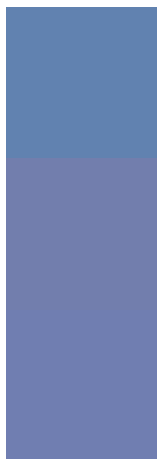


This preview shows how white text looks on a background with the XYZ color 20.7489, 21.6412,

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

20.7489, 21.6412, 44.1579

Protanopia

21.9431, 21.5162, 42.5317

Deuteranopia

22.0788, 21.5408, 44.5891



Tritanopia

18.1123, 21.8075, 30.4488

Trichromacy



Original Color

20.7489, 21.6412, 44.1579

Protanomaly

21.4137, 21.4229, 43.0508

Deuteranomaly

21.5886, 21.4789, 44.6030

Tritanomaly

19.0245, 21.7598, 35.0957

Monochromacy



Original Color

20.7489, 21.6412, 44.1579

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6936, 20.8372, 29.3696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7489, 21.6412, 44.1579 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(97, 130, 176)` looks like.

```
.text, #text, p{  
    color:rgb(97, 130, 176)  
}
```

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(97, 130, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 130, 176) }
```

Border

The CSS property to change the border of an element to XYZ 20.7489, 21.6412, 44.1579 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(97, 130, 176) }
```


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

```
.border{ border-color:rgb(97, 130, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 130, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 130, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 130, 176);  
box-shadow:4px 4px 4px 4px rgb(97, 130,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7489, 21.6412, 44.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 130, 176) }
```

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

```
.background{ background-color: rgb(97, 130,  
176) }
```

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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