

Converting Colors

XYZ(21.2513, 20.6425, 44.0815)

Have a look what the booklet for
XYZ(21.2513, 20.6425, 44.0815)
contains.

XYZ(21.2261, 20.5517, 43.9224)	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(21.2261, 20.5517,
43.9224)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7BB0
RGB	109, 123, 176
RGB Percent	43%, 48%, 69%
CMY	0.5725, 0.5176, 0.3098
CMYK	0.38, 0.30, 0.00, 0.31
HSL	227°, 30%, 56%
HSV	227°, 38%, 69%
XYZ	21.2261, 20.5517, 43.9224
YIQ	124.8560, -25.3570, 13.5150

Conversions

Conversions Part 2

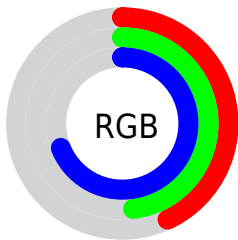
Format	Color
R _Y B	109, 121, 176
Decimal	7175088
CIE Lab	52.46, 8.29, -29.75
CIE LCh	52, 30.882, 285.564
Yxy	20.5517, 0.2477, 0.2398
Android (android.graphics.Color)	4285365168 (0xFF6D7BB0)
YUV	124.8560, 25.2140, -13.9057
Hunter-Lab	45.3340, 4.2421, -25.7101

Details

The XYZ color **21.2261, 20.5517, 43.9224** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.5857, 36.1756, 19.6813**, and the grayscale version is **19.3692, 20.3779, 22.1916**.

A 20% lighter version of the original color is **44.9997, 44.2727, 82.5177**, and **7.7786, 7.3321, 19.7441** is the 20% darker color. If you saturate the color by 10%, you get **17.6679, 16.3336, 43.2961**, and if you desaturate by 10%, it is **25.4649, 25.4861, 44.6518**.

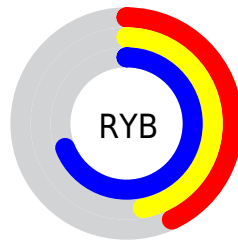
Distribution



Red (43%)

Green (48%)

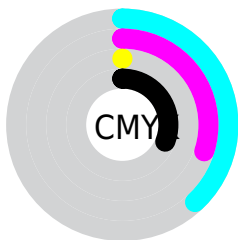
Blue (69%)



Red (43%)

Yellow (47%)

Blue (69%)

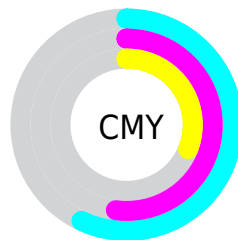


Cyan (38%)

Magenta (30%)

Yellow (0%)

Black (31%)



Cyan (57%)

Magenta (52%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2261, 20.5517, 43.9224 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 21.2261, 20.5517, 43.9224 by changing the saturation by 10% instead.

■ 21.2261, 20.5517,
43.9224

■ 21.2261, 20.5517,
43.9224

251.1867,
254.8863, 378.4236

■ 13.4028, 12.7967,
30.2728

■ 44.9520, 44.3402,
82.4022

■ 7.7854, 7.2887,
19.7919

■ 61.5852, 61.1426,
108.0694

■ 4.0086, 3.6433,
12.0613

■ 81.8858, 81.7295,
138.5796

■ 1.7070, 1.4761,
6.6624

■ 106.2192,
106.4853, 174.3513

■ 0.4606, 0.2718,
3.1766

134.9506,
135.7946, 215.8030

■ 0.0000, 0.0000,
1.1855

168.4454,

■ 0.0000, 0.0000,

170.0415, 263.3532

0.0000

207.0690,
209.6107, 317.4206

■ 21.2261, 20.5517,
43.9224

■ 21.2261, 20.5517,
43.9224

■ 17.6679, 16.3336,
43.2961

■ 25.4649, 25.4861,
44.6518

■ 14.7518, 12.7954,
42.7669

■ 30.4157, 31.1663,
45.4873

■ 12.4387, 9.9010,
42.3301

■ 36.1105, 37.6227,
46.4333

■ 10.6840, 7.6098,
41.9804

■ 42.5788, 44.8834,
47.4939

■ 9.4368, 5.8759,
41.7114

■ 49.8483, 52.9752,
48.6726

■ 8.6201, 4.6385,
41.5156

■ 57.9454, 61.9235,
49.9730

■ 8.4911, 4.4438,
41.4848

■ 66.8954, 71.7526,
51.3985

■ 76.7223, 82.4860,
52.9523

■ 82.7378, 91.7171,
54.4171

Harmonies

Analogous

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



18.0443, 20.5517, 44.0629



21.2261, 20.5517, 43.9224



24.2487, 20.5517, 37.0656

Triad

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



21.2261, 20.5517, 43.9224



24.1502, 20.5517, 12.0323



14.1757, 20.5517, 18.2777

Complementary

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



21.2261, 20.5517, 43.9224



33.5857, 36.1756, 19.6813

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.



15.4735, 20.5517, 12.1947



21.2261, 20.5517, 43.9224



21.1031, 20.5517, 9.3128

Square

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



21.2261, 20.5517, 43.9224



26.0580, 20.5517, 17.9874



17.9339, 20.5517, 9.3627



14.2010, 20.5517, 27.4290

Rectangle

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



21.2261, 20.5517, 43.9224



25.6667, 20.5517, 30.4587



17.9339, 20.5517, 9.3627



14.4650, 20.5517, 15.8690

Sweetspot

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



21.2268, 20.5525, 43.9229



62.1153, 64.4200, 83.6558



28.3084, 36.8927, 39.5716



13.1624, 13.6223, 18.0800



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.



21.2268, 20.5525, 43.9229



32.7920, 30.5193, 78.6578



22.2054, 18.6606, 43.5061



8.1811, 8.5084, 10.7174



6.2655, 3.3313, 30.4498



0.2387, 0.1880, 0.9719

Inverse Universe

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



26.9489, 21.5982, 21.4881



44.8592, 33.2131, 31.2360



32.1941, 39.3250, 20.3625



8.5666, 8.5334, 9.2162



13.3972, 6.8764, 1.9855



0.4425, 0.2248, 0.1731

Previews

White Background



This preview shows how the XYZ color 21.2261, 20.5517, 43.9224 looks on a white background.

Color Contrast Check

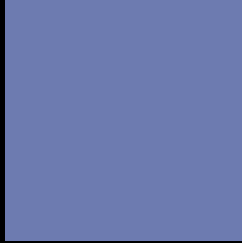
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2261, 20.5517, 43.9224 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 21.2261, 20.5517, 43.9224

Background



This preview shows how black text looks on a background with the XYZ color 21.2261, 20.5517, 43.9224.



This preview shows how white text looks on a background with the XYZ color 21.2261, 20.5517,

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

21.2261, 20.5517, 43.9224

Protanopia

21.2261, 20.5517, 43.9224

Deuteranopia

21.1075, 20.6757, 43.9526



Tritanopia

17.9718, 20.5680, 27.8338

Trichromacy



Original Color

21.2261, 20.5517, 43.9224

Protanomaly

21.2261, 20.5517, 43.9224

Deuteranomaly

21.2285, 20.7380, 43.9583

Tritanomaly

18.9327, 20.3622, 33.0694

Monochromacy



Original Color

21.2261, 20.5517, 43.9224

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8494, 20.3509, 29.2675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2261, 20.5517, 43.9224 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(109, 123, 176)` looks like.

```
.text, #text, p{  
    color:rgb(109, 123, 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(109, 123, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 123, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.2261, 20.5517, 43.9224 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(109, 123, 176) }
```


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

```
.border{ border-color:rgb(109, 123, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 123, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 123, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 123, 176);  
box-shadow:4px 4px 4px 4px rgb(109, 123,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2261, 20.5517, 43.9224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 123, 176) }
```

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

```
.background{ background-color: rgb(109,  
123, 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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