

Converting Colors

XYZ(21.7681, 21.7450, 36.7681)

Have a look what the booklet for
XYZ(21.7681, 21.7450, 36.7681)
contains.

| | |
|--|----|
| XYZ(21.7681, 21.7450, 36.7681) | 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(21.7681, 21.7450,
36.7681)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 787FA1 |
| RGB | 120, 127, 161 |
| RGB Percent | 47%, 50%, 63% |
| CMY | 0.5294, 0.5020, 0.3686 |
| CMYK | 0.25, 0.21, 0.00, 0.37 |
| HSL | 230°, 18%, 55% |
| HSV | 230°, 25%, 63% |
| XYZ | 21.7681, 21.7450, 36.7681 |
| YIQ | 128.7830, -15.0860, 9.0900 |

Conversions

Conversions Part 2

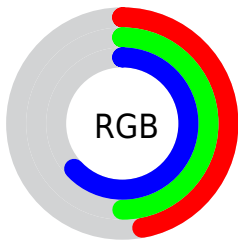
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 120, 126, 161 |
| Decimal | 7896993 |
| CIE _{Lab} | 53.76, 5.24, -19.01 |
| CIE _{LCh} | 54, 19.715, 285.422 |
| Yxy | 21.7450, 0.2711, 0.2709 |
| Android (android.graphics.Color) | 4286087073 (0xFF787FA1) |
| YUV | 128.7830, 15.8830, -7.7027 |
| Hunter-Lab | 46.6315, 1.7205, -14.1070 |

Details

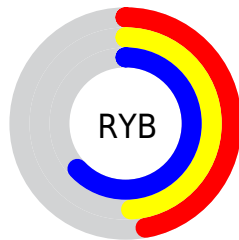
The XYZ color **21.7681, 21.7450, 36.7681** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.6440, 32.0445, 22.3927**, and the grayscale version is **20.7409, 21.8211, 23.7631**.

A 20% lighter version of the original color is **45.9495, 46.4846, 71.5164**, and **8.0105, 7.8550, 15.5620** is the 20% darker color. If you saturate the color by 10%, you get **18.1087, 17.4666, 36.1355**, and if you desaturate by 10%, it is **26.0328, 26.6757, 37.4954**.

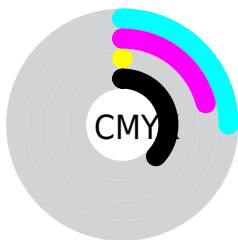
Distribution



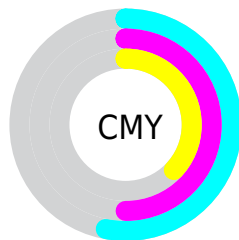
- Red (47%)
- Green (50%)
- Blue (63%)



- Red (47%)
- Yellow (49%)
- Blue (63%)



- Cyan (25%)
- Magenta (21%)
- Yellow (0%)
- Black (37%)



- Cyan (53%)
- Magenta (50%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7681, 21.7450, 36.7681 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 21.7681, 21.7450, 36.7681 by changing the saturation by 10% instead.

■ 21.7681, 21.7450,
36.7681

■ 21.7681, 21.7450,
36.7681

253.9880,
261.2117, 347.4438

■ 13.8022, 13.6696,
24.7336

■ 45.8441, 46.3242,
71.3983

■ 8.0640, 7.8913,
15.6615

■ 62.6850, 63.5968,
94.8311

■ 4.1881, 4.0254,
9.1332

■ 83.2150, 84.7039,
122.9005

■ 1.8091, 1.6878,
4.7302

107.7993,
110.0300, 156.0248

■ 0.5231, 0.4157,
2.0339

136.8035,
139.9595, 194.6228

■ 0.0000, 0.0000,
0.5760

170.5927,

■ 0.0000, 0.0000,

174.8766, 239.1130

0.0000

209.5325,
215.1659, 289.9138

■ 21.7681, 21.7450,
36.7681

■ 21.7681, 21.7450,
36.7681

■ 18.1087, 17.4666,
36.1355

■ 26.0328, 26.6757,
37.4954

■ 15.0249, 13.8104,
35.5923

■ 30.9267, 32.2819,
38.3196

■ 12.4875, 10.7478,
35.1349

■ 36.4748, 38.5890,
39.2446

■ 10.4639, 8.2467,
34.7588

■ 42.7002, 45.6201,
40.2736

■ 8.9178, 6.2722,
34.4592

■ 49.6247, 53.3975,
41.4098

■ 7.8081, 4.7850,
34.2306

■ 57.2693, 61.9421,
42.6562

■ 7.0836, 3.7386,
34.0668

■ 65.6541, 71.2745,
44.0156

■ 6.8364, 3.3798,
34.0106

■ 74.7984, 81.4142,
45.4908

■ 80.9831, 90.4532,
46.9095

Harmonies

Analogous

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



19.6615, 21.7450, 36.8277



21.7681, 21.7450, 36.7681



23.7013, 21.7450, 32.8253

Triad

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



21.7681, 21.7450, 36.7681



23.6549, 21.7450, 16.3136



16.9777, 21.7450, 20.8652

Complementary

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



21.7681, 21.7450, 36.7681



29.6440, 32.0445, 22.3927

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.



17.9052, 21.7450, 16.4084



21.7681, 21.7450, 36.7681



21.7082, 21.7450, 14.1011

Square

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



21.7681, 21.7450, 36.7681



24.8401, 21.7450, 20.7132



19.6055, 21.7450, 14.1325



16.9913, 21.7450, 26.9099

Rectangle

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



21.7681, 21.7450, 36.7681



24.5901, 21.7450, 28.8572



19.6055, 21.7450, 14.1325



17.1868, 21.7450, 19.1564

Sweetspot

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



21.7688, 21.7459, 36.7686



52.9199, 54.9961, 68.2127



26.2809, 31.7992, 35.0998



11.3245, 11.7393, 14.9127



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.7688, 21.7459, 36.7686



34.8507, 34.1214, 65.1358



22.8203, 20.9919, 36.5677



6.7937, 7.0464, 8.9051



5.4817, 2.7427, 27.1703



0.1410, 0.1093, 0.5795

Inverse Universe

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



25.2457, 22.5429, 23.1002



42.2840, 35.9793, 35.8797



28.3512, 33.1437, 22.6730



7.1208, 7.1048, 7.6228



11.9124, 6.1210, 1.4631



0.2634, 0.1338, 0.0995

Previews

White Background



This preview shows how the XYZ color 21.7681, 21.7450, 36.7681 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 21.7681, 21.7450, 36.7681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

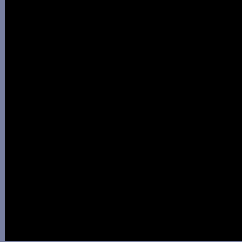
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7681, 21.7450, 36.7681

Background



This preview shows how black text looks on a background with the XYZ color 21.7681, 21.7450, 36.7681.



This preview shows how white text looks on a background with the XYZ color 21.7681, 21.7450,

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

21.7681, 21.7450, 36.7681

Protanopia

21.7681, 21.7450, 36.7681

Deuteranopia

22.2061, 21.7800, 36.7518



Tritanopia

20.1265, 21.8687, 28.3596

Trichromacy



Original Color

21.7681, 21.7450, 36.7681

Protanomaly

21.7681, 21.7450, 36.7681

Deuteranomaly

22.0623, 21.7059, 36.7451

Tritanomaly

20.6640, 21.8853, 31.1521

Monochromacy



Original Color

21.7681, 21.7450, 36.7681

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.1311, 21.7971, 28.2928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7681, 21.7450, 36.7681 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(120, 127, 161)` looks like.

```
.text, #text, p{  
    color:rgb(120, 127, 161)  
}
```

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(120, 127, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 127, 161) }
```

Border

The CSS property to change the border of an element to XYZ 21.7681, 21.7450, 36.7681 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(120, 127, 161) }
```


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

```
.border{ border-color:rgb(120, 127, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 127, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 127, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 127, 161);  
box-shadow:4px 4px 4px 4px rgb(120, 127,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7681, 21.7450, 36.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 127, 161) }
```

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

```
.background{ background-color: rgb(120,  
127, 161) }
```

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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