

Converting Colors

XYZ(27.6792, 21.3841, 55.1030)

Have a look what the booklet for
XYZ(27.6792, 21.3841, 55.1030)
contains.

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Color

**XYZ(27.5724, 21.3404,
54.8904)**

Conversions

Conversions Part 1

Format	Color
Hex	936EC4
RGB	147, 110, 196
RGB Percent	58%, 43%, 77%
CMY	0.4235, 0.5686, 0.2314
CMYK	0.25, 0.44, 0.00, 0.23
HSL	266°, 42%, 60%
HSV	266°, 44%, 77%
XYZ	27.5724, 21.3404, 54.8904
YIQ	130.8670, -5.5540, 34.5900

Conversions

Conversions Part 2

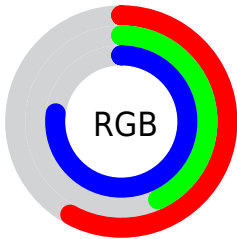
Format	Color
R_{YB}	147, 110, 196
Decimal	9662148
CIE _{Lab}	53.32, 32.20, -39.66
CIE _{LCh}	53, 51.082, 309.072
Yxy	21.3404, 0.2656, 0.2056
Android (android.graphics.Color)	4287852228 (0xFF936EC4)
YUV	130.8670, 32.1106, 14.1486
Hunter-Lab	46.1957, 25.6973, -38.1123

Details

The XYZ color **27.5724, 21.3404, 54.8904** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.8528, 47.9769, 22.0707**, and the grayscale version is **21.4172, 22.5325, 24.5379**.

A 20% lighter version of the original color is **55.2786, 45.6290, 98.8223**, and **11.1673, 7.6702, 26.4831** is the 20% darker color. If you saturate the color by 10%, you get **23.7807, 16.5864, 54.1730**, and if you desaturate by 10%, it is **32.0277, 27.1316, 55.7738**.

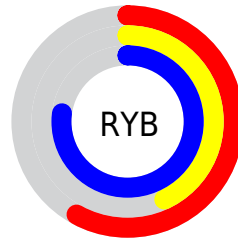
Distribution



Red (58%)

Green (43%)

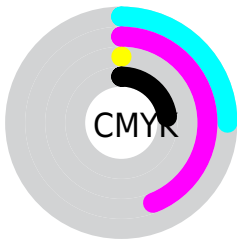
Blue (77%)



Red (58%)

Yellow (43%)

Blue (77%)

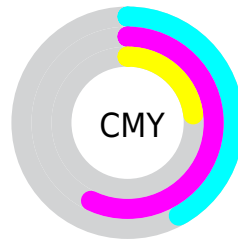


Cyan (25%)

Magenta (44%)

Yellow (0%)

Black (23%)



Cyan (42%)

Magenta (57%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5724, 21.3404, 54.8904 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 27.5724, 21.3404, 54.8904 by changing the saturation by 10% instead.

■ 27.5724, 21.3404,
54.8904

■ 27.5724, 21.3404,
54.8904

282.5353,
259.0820, 422.7666

■ 18.1424, 13.3730,
38.9160

■ 55.2145, 45.6534,
98.8499

■ 11.1526, 7.6859,
26.3870

■ 74.1572, 62.7678,
127.6720

■ 6.2376, 3.8946,
16.8851

■ 97.0016, 83.7000,
161.6138

■ 3.0321, 1.6148,
9.9915

■ 124.1130,
108.8344, 201.0938

■ 1.1708, 0.3675,
5.2878

155.8566,
138.5554, 246.5306

■ 0.0831, 0.0000,
2.3554

192.5980,

■ 0.0000, 0.0000,

173.2475, 298.3426

0.7620

234.7025,
213.2949, 356.9484

■ 0.0000, 0.0000,
0.0000

■ 27.5724, 21.3404,
54.8904

■ 27.5724, 21.3404,
54.8904

■ 23.7807, 16.5864,
54.1730

■ 32.0277, 27.1316,
55.7738

■ 20.6137, 12.8020,
53.6095

■ 37.1780, 34.0169,
56.8313

■ 18.0313, 9.9150,
53.1883

■ 43.0552, 42.0520,
58.0725

■ 15.9872, 7.8416,
52.8959

■ 49.6884, 51.2879,
59.5056

■ 14.4262, 6.4812,
52.7155

■ 57.1051, 61.7725,
61.1384

■ 13.6495, 5.8856,
52.6415

■ 65.3314, 73.5511,
62.9783

■ 74.3921, 86.6666,
65.0323

■ 80.4291, 93.3967,
66.0132

■ 84.2609, 95.3721,
66.1925

Harmonies

Analogous

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



21.9684, 21.3404, 66.8213



27.5724, 21.3404, 54.8904



31.6344, 21.3404, 35.5855

Triad

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



27.5724, 21.3404, 54.8904



24.2308, 21.3404, 5.0389



11.6472, 21.3404, 28.2576

Complementary

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



27.5724, 21.3404, 54.8904



36.8528, 47.9769, 22.0707

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.



12.0356, 21.3404, 14.1360



27.5724, 21.3404, 54.8904



18.6869, 21.3404, 4.4855

Square

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



27.5724, 21.3404, 54.8904



29.4793, 21.3404, 9.0618



14.4076, 21.3404, 6.9318



13.2315, 21.3404, 47.5281

Rectangle

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



27.5724, 21.3404, 54.8904



32.5645, 21.3404, 23.7219



14.4076, 21.3404, 6.9318



11.5584, 21.3404, 22.7569

Sweetspot

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



27.5732, 21.3412, 54.8909



78.7610, 77.2351, 105.3645



28.9945, 32.5006, 56.9700



16.3177, 15.7862, 22.4370



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.5732, 21.3412, 54.8909



43.1081, 30.0816, 98.1420



36.4852, 25.9355, 55.3080



9.9301, 9.9551, 12.6830



8.8649, 3.8304, 33.8287



0.4618, 0.2061, 1.4653

Inverse Universe

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



34.5993, 25.3914, 35.8784



57.9995, 38.6813, 57.1439



29.9135, 44.3996, 21.7459



10.3082, 10.1719, 11.7136



16.5388, 8.3053, 10.7494



0.7486, 0.3724, 0.6435

Previews

White Background



This preview shows how the XYZ color 27.5724, 21.3404, 54.8904 looks on a white background.

Color Contrast Check

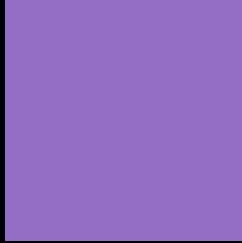
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5724, 21.3404, 54.8904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

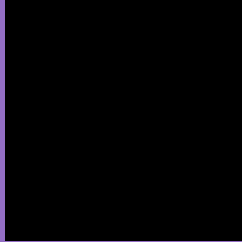
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.5724, 21.3404, 54.8904

Background



This preview shows how black text looks on a background with the XYZ color 27.5724, 21.3404, 54.8904.



This preview shows how white text looks on a background with the XYZ color 27.5724, 21.3404,

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

27.5724, 21.3404, 54.8904

Protanopia

23.4583, 21.6504, 63.2642

Deuteranopia

22.1448, 21.5704, 53.4484



Tritanopia

21.6641, 21.3708, 25.5374

Trichromacy



Original Color

27.5724, 21.3404, 54.8904

Protanomaly

24.4256, 21.3033, 59.9513

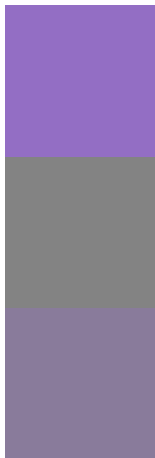
Deuteranomaly

23.6452, 21.2146, 53.8875

Tritanomaly

23.4978, 21.2034, 34.7525

Monochromacy



Original Color

27.5724, 21.3404, 54.8904

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.3159, 21.8508, 33.9991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5724, 21.3404, 54.8904 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(147, 110, 196)` looks like.

```
.text, #text, p{  
    color:rgb(147, 110, 196)  
}
```

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(147, 110, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 110, 196) }
```

Border

The CSS property to change the border of an element to XYZ 27.5724, 21.3404, 54.8904 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(147, 110, 196) }
```


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

```
.border{ border-color:rgb(147, 110, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 110, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 110, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 110, 196);  
box-shadow:4px 4px 4px 4px rgb(147, 110,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5724, 21.3404, 54.8904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 110, 196) }
```

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

```
.background{ background-color: rgb(147,  
110, 196) }
```

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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