

Converting Colors

XYZ(27.5161, 21.8512, 63.0907)

Have a look what the booklet for
XYZ(27.5161, 21.8512, 63.0907)
contains.

XYZ(27.5176, 21.7890, 63.0770)	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(27.5176, 21.7890,
63.0770)**

Conversions

Conversions Part 1

Format	Color
Hex	8772D1
RGB	135, 114, 209
RGB Percent	53%, 45%, 82%
CMY	0.4706, 0.5529, 0.1804
CMYK	0.35, 0.45, 0.00, 0.18
HSL	253°, 51%, 63%
HSV	253°, 45%, 82%
XYZ	27.5176, 21.7890, 63.0770
YIQ	131.1090, -17.9790, 33.9970

Conversions

Conversions Part 2

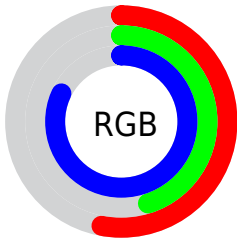
Format	Color
R_{YB}	135, 114, 209
Decimal	8876753
CIE _{Lab}	53.80, 29.90, -46.38
CIE _{LCh}	54, 55.178, 302.810
Yxy	21.7890, 0.2449, 0.1939
Android (android.graphics.Color)	4287066833 (0xFF8772D1)
YUV	131.1090, 38.4003, 3.4124
Hunter-Lab	46.6787, 23.5400, -47.4436

Details

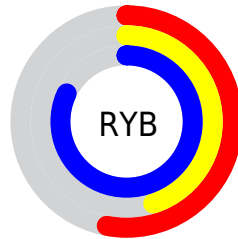
The XYZ color **27.5176, 21.7890, 63.0770** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **46.5771, 57.5076, 24.5655**, and the grayscale version is **21.4848, 22.6037, 24.6154**.

A 20% lighter version of the original color is **53.1721, 45.5688, 100.6009**, and **11.1743, 7.9789, 31.5230** is the 20% darker color. If you saturate the color by 10%, you get **23.0019, 16.3525, 62.2661**, and if you desaturate by 10%, it is **32.9741, 28.5106, 64.0872**.

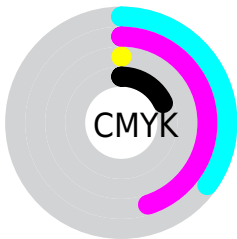
Distribution



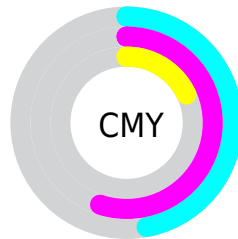
- Red (53%)
- Green (45%)
- Blue (82%)



- Red (53%)
- Yellow (45%)
- Blue (82%)



- Cyan (35%)
- Magenta (45%)
- Yellow (0%)
- Black (18%)



- Cyan (47%)
- Magenta (55%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5176, 21.7890, 63.0770 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 27.5176, 21.7890, 63.0770 by changing the saturation by 10% instead.

■ 27.5176, 21.7890,
63.0770

■ 27.5176, 21.7890,
63.0770

282.2767,
261.4424, 453.9645

■ 18.1009, 13.7019,
45.4621

■ 55.1274, 46.3970,
110.8672

■ 11.1226, 7.9137,
31.4760

■ 74.0512, 63.6868,
141.8797

■ 6.2173, 4.0397,
20.7001

■ 96.8748, 84.8129,
178.1950

■ 3.0195, 1.6958,
12.7158

■ 123.9635,
110.1597, 220.2318

■ 1.1641, 0.4210,
7.1047

155.6827,
140.1117, 268.4086

■ 0.0777, 0.0000,
3.4483

192.3977,

■ 0.0000, 0.0000,

175.0532, 323.1440

1.3278

234.4739,
215.3686, 384.8564

■ 0.0000, 0.0000,
0.0844

■ 0.0000, 0.0000,
0.0000

■ 27.5176, 21.7890,
63.0770

■ 27.5176, 21.7890,
63.0770

■ 23.0019, 16.3525,
62.2661

■ 32.9741, 28.5106,
64.0872

■ 19.3690, 12.1152,
61.6397

■ 39.4196, 36.5911,
65.3072

■ 16.5586, 8.9838,
61.1834

■ 46.9016, 46.1013,
66.7485

■ 14.5006, 6.8503,
60.8800

■ 55.4642, 57.1065,
68.4214

■ 13.1120, 5.5831,
60.7086

■ 65.1486, 69.6677,
70.3356

■ 12.6446, 5.1890,
60.6572

■ 75.9938, 83.8428,
72.5000

■ 86.3220, 96.2562,
74.3517

■ 88.5087, 97.3835,
74.4540

Harmonies

Analogous

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



21.2734, 21.7890, 73.5210



27.5176, 21.7890, 63.0770



32.5881, 21.7890, 41.9776

Triad

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



27.5176, 21.7890, 63.0770



26.3648, 21.7890, 4.9267



11.2866, 21.7890, 25.3604

Complementary

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



27.5176, 21.7890, 63.0770



46.5771, 57.5076, 24.5655

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.



12.1381, 21.7890, 11.7192



27.5176, 21.7890, 63.0770



20.1562, 21.7890, 3.7788

Square

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



27.5176, 21.7890, 63.0770



31.8382, 21.7890, 10.0717



15.1290, 21.7890, 5.5092



12.5336, 21.7890, 46.1628

Rectangle

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



27.5176, 21.7890, 63.0770



34.1960, 21.7890, 28.0477



15.1290, 21.7890, 5.5092



11.3374, 21.7890, 19.8701

Sweetspot

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



27.5185, 21.7898, 63.0775



75.1990, 74.4018, 105.0053



36.5210, 44.3262, 66.9530



15.5069, 15.1721, 22.3612



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.



27.5185, 21.7898, 63.0775



35.9627, 25.5130, 97.6368



36.8377, 26.5940, 63.5137



11.4046, 11.5419, 14.8704



7.8662, 3.2355, 37.4024



0.5097, 0.2169, 2.0946

Inverse Universe

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



41.3894, 29.2214, 51.0358



60.7963, 38.8461, 74.8118



36.8087, 52.4718, 24.1084



12.1943, 11.9624, 14.2988



20.3156, 9.9991, 22.3658



1.1642, 0.5704, 1.3997

Previews

White Background



This preview shows how the XYZ color 27.5176, 21.7890, 63.0770 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 27.5176, 21.7890, 63.0770 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 27.5176, 21.7890, 63.0770

Background



This preview shows how black text looks on a background with the XYZ color 27.5176, 21.7890, 63.0770.



This preview shows how white text looks on a background with the XYZ color 27.5176, 21.7890,

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

27.5176, 21.7890, 63.0770

Protanopia

24.2764, 21.9092, 70.6595

Deuteranopia

22.6470, 22.0416, 61.4533



Tritanopia

20.4620, 21.8518, 27.9503

Trichromacy



Original Color

27.5176, 21.7890, 63.0770

Protanomaly

25.0577, 21.6359, 67.8212

Deuteranomaly

24.0637, 21.8039, 61.9718

Tritanomaly

22.4566, 21.4919, 38.5621

Monochromacy



Original Color

27.5176, 21.7890, 63.0770

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.1073, 22.0760, 35.8441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5176, 21.7890, 63.0770 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(135, 114, 209)` looks like.

```
.text, #text, p{  
    color:rgb(135, 114, 209)  
}
```

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(135, 114, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 114, 209) }
```

Border

The CSS property to change the border of an element to XYZ 27.5176, 21.7890, 63.0770 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(135, 114, 209) }
```


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

```
.border{ border-color:rgb(135, 114, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 114, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 114, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 114, 209);  
box-shadow:4px 4px 4px 4px rgb(135, 114,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5176, 21.7890, 63.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 114, 209) }
```

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

```
.background{ background-color: rgb(135,  
114, 209) }
```

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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