

Converting Colors

XYZ(24.7919, 22.5655, 87.8435)

Have a look what the booklet for
XYZ(24.7919, 22.5655, 87.8435)
contains.

XYZ(24.7909, 22.5649, 87.8429)	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(24.7909, 22.5649,
87.8429)**

Conversions

Conversions Part 1

Format	Color
Hex	2581F3
RGB	37, 129, 243
RGB Percent	15%, 51%, 95%
CMY	0.8548, 0.4941, 0.0471
CMYK	0.85, 0.47, 0.00, 0.05
HSL	213°, 90%, 55%
HSV	213°, 85%, 95%
XYZ	24.7909, 22.5649, 87.8429
YIQ	114.4880, -91.4260, 15.9500

Conversions

Conversions Part 2

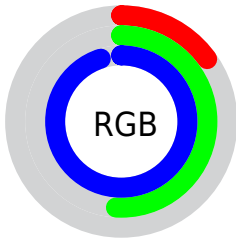
Format	Color
R _Y B	37, 101, 243
Decimal	2458099
CIE Lab	54.62, 15.06, -64.42
CIE LCh	55, 66.162, 283.158
Yxy	22.5649, 0.1834, 0.1669
Android (android.graphics.Color)	4280648179 (0xFF2581F3)
YUV	114.4880, 63.3564, -67.9570
Hunter-Lab	47.5025, 10.0272, -76.3888

Details

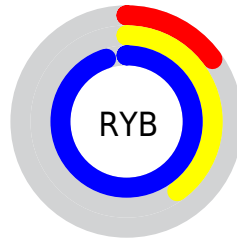
The XYZ color **24.7909, 22.5649, 87.8429** is a dark color, and the websafe version is hex **0066CC**. The color can be described as middle washed azure. A complement of this color would be **48.3673, 41.3297, 7.1805**, and the grayscale version is **15.9783, 16.8105, 18.3066**.

A 20% lighter version of the original color is **42.1816, 44.1897, 100.9140**, and **11.8054, 9.4300, 47.6523** is the 20% darker color. If you saturate the color by 10%, you get **22.5335, 18.9422, 87.2632**, and if you desaturate by 10%, it is **27.8623, 26.9536, 88.5287**.

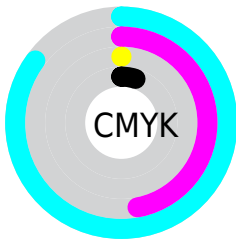
Distribution



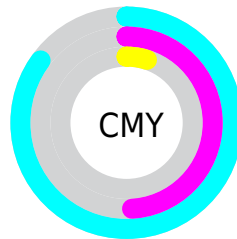
- Red (15%)
- Green (51%)
- Blue (95%)



- Red (15%)
- Yellow (40%)
- Blue (95%)



- Cyan (85%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)



- Cyan (85%)
- Magenta (49%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7909, 22.5649, 87.8429 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 24.7909, 22.5649, 87.8429 by changing the saturation by 10% instead.

■ 24.7909, 22.5649,
87.8429

■ 24.7909, 22.5649,
87.8429

269.1619,
265.4823, 541.3766

■ 16.0492, 14.2726,
65.6294

■ 50.7631, 47.6779,
146.2476

■ 9.6501, 8.3105,
47.5170

■ 68.7244, 65.2674,
183.2759

■ 5.2280, 4.2943,
33.0873

■ 90.4896, 86.7246,
226.0795

■ 2.4178, 1.8395,
21.9217

■ 116.4241,
112.4341, 275.0770

■ 0.8540, 0.5116,
13.6016

■ 146.8932,
142.7803, 330.6870

■ 0.0000, 0.0000,
7.7085

182.2623,

■ 0.0000, 0.0000,

178.1474, 393.3278

3.8239

222.8968,
218.9199, 463.4182

■ 0.0000, 0.0000,
1.5293

■ 0.0000, 0.0000,
0.2396

■ 24.7909, 22.5649,
87.8429

■ 24.7909, 22.5649,
87.8429

■ 22.5335, 18.9422,
87.2632

■ 27.8623, 26.9536,
88.5287

■ 21.5942, 17.3039,
86.9965

■ 31.8526, 32.1748,
89.3262

■ 36.8516, 38.2869,
90.2424

■ 42.9369, 45.3413,
91.2833

■ 50.1774, 53.3847,
92.4543

■ 58.6361, 62.4600,
93.7601

■ 68.3713, 72.6073,
95.2057

■ 79.4369, 83.8644,
96.7953

■ 91.6168, 96.1292,
98.5207

Harmonies

Analogous

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



17.6453, 22.5649, 86.2943



24.7909, 22.5649, 87.8429



32.5056, 22.5649, 66.8955

Triad

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



24.7909, 22.5649, 87.8429



33.3514, 22.5649, 6.0946



10.6538, 22.5649, 14.6964

Complementary

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



24.7909, 22.5649, 87.8429



48.3673, 41.3297, 7.1805

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.



13.2332, 22.5649, 5.4038



24.7909, 22.5649, 87.8429



25.7595, 22.5649, 2.7160

Square

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



24.7909, 22.5649, 87.8429



38.1501, 22.5649, 16.5332



18.4187, 22.5649, 2.5654



10.5085, 22.5649, 34.8610

Rectangle

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



24.7909, 22.5649, 87.8429



36.5015, 22.5649, 47.4530



18.4187, 22.5649, 2.5654



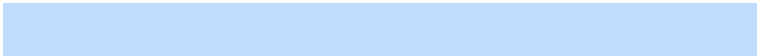
11.2328, 22.5649, 10.5593

Sweetspot

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



24.7919, 22.5655, 87.8435



65.1177, 69.3666, 104.5648



38.3448, 66.7075, 39.8407



13.1954, 14.0578, 22.2679



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.



24.7919, 22.5655, 87.8435



24.0523, 19.2246, 97.0508



18.0274, 8.4078, 85.4673



16.1903, 17.1450, 20.9986



11.9816, 9.7569, 47.7898



1.1540, 1.0594, 4.2339

Inverse Universe

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



41.5872, 21.9645, 22.8167



44.2697, 22.4719, 17.8841



65.8922, 81.5089, 14.0122



16.8067, 16.6055, 18.7284



21.8522, 11.0843, 9.1963



1.9715, 0.9946, 1.0765

Previews

White Background



This preview shows how the XYZ color 24.7909, 22.5649, 87.8429 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 24.7909, 22.5649, 87.8429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

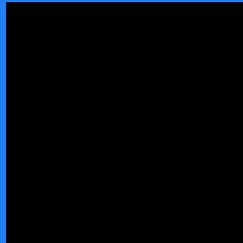
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

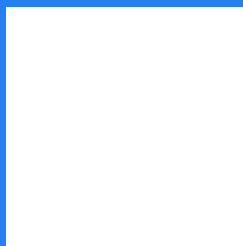
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7909, 22.5649, 87.8429

Background



This preview shows how black text looks on a background with the XYZ color 24.7909, 22.5649, 87.8429.



This preview shows how white text looks on a background with the XYZ color 24.7909, 22.5649,

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

24.7909, 22.5649, 87.8429

Protanopia

25.7876, 22.5526, 85.4320

Deuteranopia

22.9592, 22.3857, 80.2016



Tritanopia

15.8060, 22.2796, 34.0392

Trichromacy



Original Color

24.7909, 22.5649, 87.8429

Protanomaly

25.2702, 22.4594, 86.2223

Deuteranomaly

23.5683, 22.4326, 83.2085

Tritanomaly

18.2615, 22.0960, 49.7568

Monochromacy



Original Color

24.7909, 22.5649, 87.8429

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.8676, 17.7453, 36.2544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7909, 22.5649, 87.8429 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(37, 129, 243)` looks like.

```
.text, #text, p{  
    color:rgb(37, 129, 243)  
}
```

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(37, 129, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 129, 243) }
```

Border

The CSS property to change the border of an element to XYZ 24.7909, 22.5649, 87.8429 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(37, 129, 243) }
```


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

```
.border{ border-color:rgb(37, 129, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 129, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 129, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 129, 243);  
box-shadow:4px 4px 4px 4px rgb(37, 129,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7909, 22.5649, 87.8429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 129, 243) }
```

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

```
.background{ background-color: rgb(37, 129,  
243) }
```

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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