

Converting Colors

XYZ(24.6689, 29.6883, 67.2664)

Have a look what the booklet for
XYZ(24.6689, 29.6883, 67.2664)
contains.

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Color

**XYZ(24.7176, 29.7598,
67.3922)**

Conversions

Conversions Part 1

Format	Color
Hex	159FD5
RGB	21, 159, 213
RGB Percent	8%, 62%, 84%
CMY	0.9175, 0.3765, 0.1647
CMYK	0.90, 0.25, 0.00, 0.16
HSL	197°, 82%, 46%
HSV	197°, 90%, 84%
XYZ	24.7176, 29.7598, 67.3922
YIQ	123.8940, -99.5820, -12.4620

Conversions

Conversions Part 2

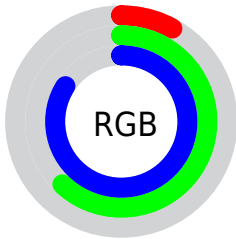
Format	Color
R_{YB}	21, 101, 213
Decimal	1417173
CIE _{Lab}	61.45, -14.67, -36.91
CIE _{LCh}	61, 39.724, 248.324
Yxy	29.7598, 0.2028, 0.2442
Android (android.graphics.Color)	4279607253 (0xFF159FD5)
YUV	123.8940, 43.9293, -90.2380
Hunter-Lab	54.5525, -14.5891, -35.0579

Details

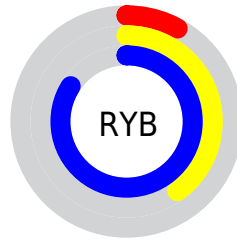
The XYZ color **24.7176, 29.7598, 67.3922** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **30.0943, 19.2363, 2.8377**, and the grayscale version is **19.0082, 19.9981, 21.7780**.

A 20% lighter version of the original color is **48.1600, 58.4389, 103.3493**, and **11.5341, 13.1937, 34.2865** is the 20% darker color. If you saturate the color by 10%, you get **23.4158, 27.6151, 67.0475**, and if you desaturate by 10%, it is **26.4326, 32.2112, 67.7756**.

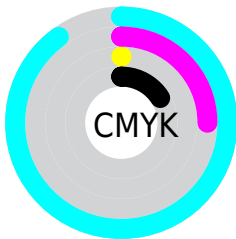
Distribution



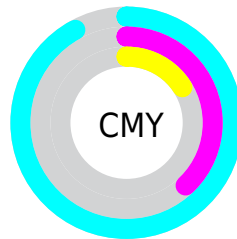
- Red (8%)
- Green (62%)
- Blue (84%)



- Red (8%)
- Yellow (40%)
- Blue (84%)



- Cyan (90%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)



- Cyan (92%)
- Magenta (38%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7176, 29.7598, 67.3922 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 24.7176, 29.7598, 67.3922 by changing the saturation by 10% instead.

■ 24.7176, 29.7598,
67.3922

■ 24.7176, 29.7598,
67.3922

268.8023,
300.7832, 469.8790

■ 15.9944, 19.6563,
48.9398

■ 50.6449, 59.2821,
117.1282

■ 9.6110, 12.1455,
34.2065

■ 68.5797, 79.4697,
149.2489

■ 5.2021, 6.8428,
22.7736

■ 90.3158, 103.7876,
186.7628

■ 2.4023, 3.3640,
14.2227

■ 116.2185,
132.6200, 230.0884

■ 0.8463, 1.3246,
8.1352

■ 146.6531,
166.3513, 279.6443

■ 0.0000, 0.1601,
4.0926

181.9850,

■ 0.0000, 0.0000,

205.3661, 335.8490

1.6763

222.5797,
250.0486, 399.1210

■ 0.0000, 0.0000,
0.3444

■ 0.0000, 0.0000,
0.0000

■ 24.7176, 29.7598,
67.3922

■ 24.7176, 29.7598,
67.3922

■ 23.4158, 27.6151,
67.0475

■ 26.4326, 32.2112,
67.7756

■ 28.6606, 35.0017,
68.1968

■ 31.4676, 38.1669,
68.6598

■ 34.9081, 41.7358,
69.1673

■ 39.0304, 45.7343,
69.7218

■ 43.8774, 50.1855,
70.3255

■ 49.4887, 55.1106,
70.9804

■ 55.9007, 60.5293,
71.6884

■ 63.1475, 66.4602,
72.4512

Harmonies

Analogous

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



21.0804, 29.7598, 53.8483



24.7176, 29.7598, 67.3922



29.7730, 29.7598, 70.2678

Triad

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



24.7176, 29.7598, 67.3922



39.4999, 29.7598, 28.3944



22.4747, 29.7598, 14.5987

Complementary

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



24.7176, 29.7598, 67.3922



30.0943, 19.2363, 2.8377

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.



26.8490, 29.7598, 11.3851



24.7176, 29.7598, 67.3922



36.9703, 29.7598, 17.5750

Square

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



24.7176, 29.7598, 67.3922



38.7455, 29.7598, 44.3017



32.1819, 29.7598, 12.2739



19.9014, 29.7598, 22.8524

Rectangle

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



24.7176, 29.7598, 67.3922



33.3524, 29.7598, 65.1092



32.1819, 29.7598, 12.2739



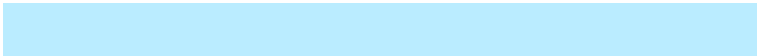
23.7602, 29.7598, 13.0309

Sweetspot

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



24.7187, 29.7608, 67.3930



68.2262, 77.4580, 105.9627



25.2812, 48.2194, 14.1435



14.0141, 16.0534, 22.6099



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.



24.7187, 29.7608, 67.3930



35.0398, 41.1995, 100.7133



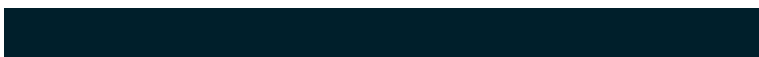
14.2580, 8.8395, 63.9061



12.4832, 13.4899, 15.8834



14.3936, 17.0491, 40.9853



0.9366, 1.1652, 2.4948

Inverse Universe

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



33.9677, 17.1869, 34.3289



49.8156, 24.6903, 47.0887



41.6173, 42.2823, 6.6787



12.7971, 12.5703, 14.8718



20.3241, 10.0660, 19.5426



1.2604, 0.6209, 1.3606

Previews

White Background



This preview shows how the XYZ color 24.7176, 29.7598, 67.3922 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 24.7176, 29.7598, 67.3922 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 24.7176, 29.7598, 67.3922

Background



This preview shows how black text looks on a background with the XYZ color 24.7176, 29.7598, 67.3922.

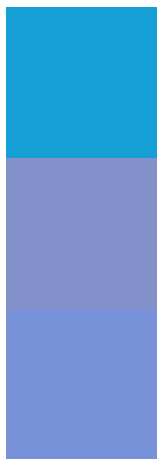


This preview shows how white text looks on a background with the XYZ color 24.7176, 29.7598,

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

24.7176, 29.7598, 67.3922

Protanopia

30.1461, 29.3404, 59.9515

Deuteranopia

30.2813, 29.4376, 69.0518



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

24.7176, 29.7598, 67.3922

Protanomaly

26.3613, 28.4931, 62.5028

Deuteranomaly

26.8996, 28.8785, 68.4463

Tritanomaly

22.2058, 29.5664, 52.6806

Monochromacy



Original Color

24.7176, 29.7598, 67.3922

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8769, 22.3179, 34.7653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7176, 29.7598, 67.3922 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(21, 159, 213)` looks like.

```
.text, #text, p{  
    color:rgb(21, 159, 213)  
}
```

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(21, 159, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 159, 213) }
```

Border

The CSS property to change the border of an element to XYZ 24.7176, 29.7598, 67.3922 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(21, 159, 213) }
```


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

```
.border{ border-color:rgb(21, 159, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 159, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 159, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 159, 213);  
box-shadow:4px 4px 4px 4px rgb(21, 159,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7176, 29.7598, 67.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 159, 213) }
```

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

```
.background{ background-color: rgb(21, 159,  
213) }
```

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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