

Converting Colors

XYZ(24.5536, 27.9253, 72.5035)

Have a look what the booklet for
XYZ(24.5536, 27.9253, 72.5035)
contains.

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Color

**XYZ(24.4764, 27.7785,
72.4784)**

Conversions

Conversions Part 1

Format	Color
Hex	0F98DD
RGB	15, 152, 221
RGB Percent	6%, 60%, 87%
CMY	0.9410, 0.4039, 0.1333
CMYK	0.93, 0.31, 0.00, 0.13
HSL	200°, 87%, 46%
HSV	200°, 93%, 87%
XYZ	24.4764, 27.7785, 72.4784
YIQ	118.9030, -103.8010, -7.5850

Conversions

Conversions Part 2

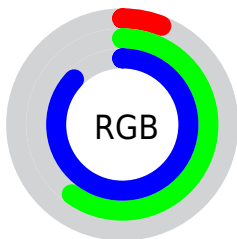
Format	Color
R _Y B	15, 97, 221
Decimal	1022173
CIE Lab	59.69, -8.13, -44.13
CIE LCh	60, 44.874, 259.556
Yxy	27.7785, 0.1962, 0.2227
Android (android.graphics.Color)	4279212253 (0xFF0F98DD)
YUV	118.9030, 50.3338, -91.1229
Hunter-Lab	52.7053, -9.3387, -44.6397

Details

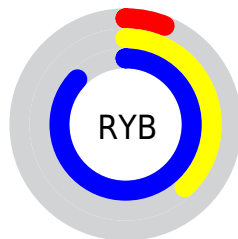
The XYZ color **24.4764, 27.7785, 72.4784** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **33.0792, 21.7541, 2.9090**, and the grayscale version is **17.3778, 18.2828, 19.9100**.

A 20% lighter version of the original color is **46.0652, 54.4268, 102.6853**, and **11.4452, 12.0240, 37.3149** is the 20% darker color. If you saturate the color by 10%, you get **23.4791, 26.0761, 72.2030**, and if you desaturate by 10%, it is **26.2873, 30.5524, 72.9190**.

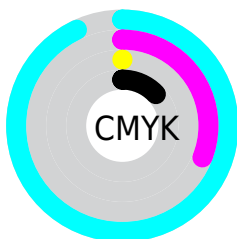
Distribution



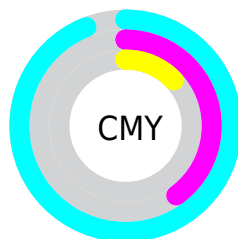
- Red (6%)
- Green (60%)
- Blue (87%)



- Red (6%)
- Yellow (38%)
- Blue (87%)



- Cyan (93%)
- Magenta (31%)
- Yellow (0%)
- Black (13%)



- Cyan (94%)
- Magenta (40%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4764, 27.7785, 72.4784 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 24.4764, 27.7785, 72.4784 by changing the saturation by 10% instead.

■ 24.4764, 27.7785,
72.4784

■ 24.4764, 27.7785,
72.4784

267.6162,
291.4070, 488.2273

■ 15.8140, 18.1588,
53.0603

■ 50.2555, 56.1306,
124.4505

■ 9.4827, 11.0640,
37.4629

■ 68.1030, 75.6318,
157.8416

■ 5.1169, 6.1099,
25.2675

■ 89.7429, 99.1955,
196.7275

■ 2.3515, 2.9120,
16.0556

■ 115.5406,
127.2063, 241.5267

■ 0.8208, 1.0860,
9.4087

■ 145.8614,
160.0484, 292.6577

■ 0.0000, 0.0000,
4.9083

181.0707,

■ 0.0000, 0.0000,

198.1063, 350.5391

2.1358

221.5339,
241.7644, 415.5894

■ 0.0000, 0.0000,
0.6369

■ 0.0000, 0.0000,
0.0000

■ 24.4764, 27.7785,
72.4784

■ 24.4764, 27.7785,
72.4784

■ 23.4791, 26.0761,
72.2030

■ 26.2873, 30.5524,
72.9190

■ 28.6531, 33.7254,
73.4067

■ 31.6513, 37.3396,
73.9463

■ 35.3454, 41.4296,
74.5411

■ 39.7903, 46.0257,
75.1939

■ 45.0355, 51.1550,
75.9075

■ 51.1256, 56.8424,
76.6843

■ 58.1020, 63.1108,
77.5265

■ 66.0031, 69.9817,
78.4363

Harmonies

Analogous

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



19.9468, 27.7785, 60.7487



24.4764, 27.7785, 72.4784



30.2199, 27.7785, 70.2054

Triad

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



24.4764, 27.7785, 72.4784



38.0574, 27.7785, 20.9580



18.9488, 27.7785, 14.1843

Complementary

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



24.4764, 27.7785, 72.4784



33.0792, 21.7541, 2.9090

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.



22.9212, 27.7785, 9.3419



24.4764, 27.7785, 72.4784



34.1197, 27.7785, 12.1722

Square

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



24.4764, 27.7785, 72.4784



38.6318, 27.7785, 36.2625



28.4274, 27.7785, 8.7679



17.0721, 27.7785, 24.9349

Rectangle

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



24.4764, 27.7785, 72.4784



33.9664, 27.7785, 61.2454



28.4274, 27.7785, 8.7679



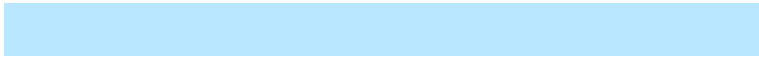
20.0544, 27.7785, 12.0033

Sweetspot

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



24.4775, 27.7794, 72.4791



66.3197, 74.5576, 105.5034



27.6427, 52.4506, 16.9922



13.4356, 15.2423, 22.4839



0.0000, 0.0000, 0.0000



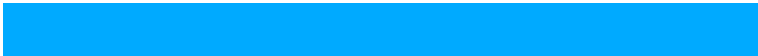
20.3446, 21.4041, 23.3091

Same Dimension

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



24.4775, 27.7794, 72.4791



32.3444, 35.8088, 99.8148



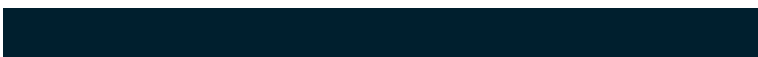
14.3628, 7.5500, 69.1076



13.0583, 14.0564, 16.6770



13.7475, 15.3645, 41.9795



0.9688, 1.1517, 2.7457

Inverse Universe

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



35.6581, 17.9822, 31.2980



48.4552, 24.1461, 39.9245



47.6070, 50.8096, 7.7516



13.4193, 13.1968, 15.4692



20.4345, 10.1748, 17.1997



1.3633, 0.6750, 1.3220

Previews

White Background



This preview shows how the XYZ color 24.4764, 27.7785, 72.4784 looks on a white background.

Color Contrast Check

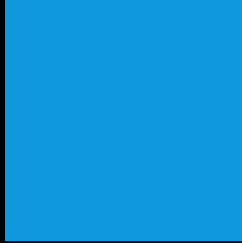
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4764, 27.7785, 72.4784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

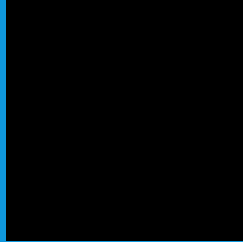
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4764, 27.7785, 72.4784

Background



This preview shows how black text looks on a background with the XYZ color 24.4764, 27.7785, 72.4784.

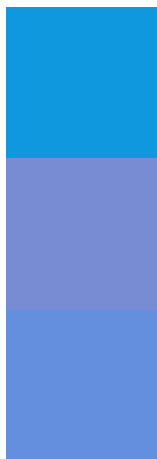


This preview shows how white text looks on a background with the XYZ color 24.4764, 27.7785,

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

24.4764, 27.7785, 72.4784

Protanopia

28.7437, 27.3813, 65.3982

Deuteranopia

28.3973, 27.6820, 73.6585



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



Original Color

24.4764, 27.7785, 72.4784

Protanomaly

25.6323, 26.6021, 68.0737

Deuteranomaly

25.9179, 27.0969, 72.9714

Tritanomaly

21.1364, 27.4833, 52.3349

Monochromacy



Original Color

24.4764, 27.7785, 72.4784

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5104, 20.3822, 34.4638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4764, 27.7785, 72.4784 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(15, 152, 221)` looks like.

```
.text, #text, p{  
    color:rgb(15, 152, 221)  
}
```

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(15, 152, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 152, 221) }
```

Border

The CSS property to change the border of an element to XYZ 24.4764, 27.7785, 72.4784 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(15, 152, 221) }
```


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

```
.border{ border-color:rgb(15, 152, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 152, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 152, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 152, 221);  
box-shadow:4px 4px 4px 4px rgb(15, 152,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4764, 27.7785, 72.4784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 152, 221) }
```

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

```
.background{ background-color: rgb(15, 152,  
221) }
```

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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