

Converting Colors

XYZ(24.7050, 30.0328, 64.3902)

Have a look what the booklet for
XYZ(24.7050, 30.0328, 64.3902)
contains.

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Color

**XYZ(24.6835, 30.0707,
64.1778)**

Conversions

Conversions Part 1

Format	Color
Hex	24A0D0
RGB	36, 160, 208
RGB Percent	14%, 63%, 82%
CMY	0.8588, 0.3725, 0.1843
CMYK	0.83, 0.23, 0.00, 0.18
HSL	197°, 70%, 48%
HSV	197°, 83%, 82%
XYZ	24.6835, 30.0707, 64.1778
YIQ	128.3960, -89.3120, -11.3600

Conversions

Conversions Part 2

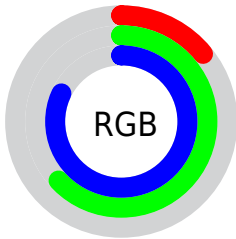
Format	Color
R _Y B	36, 108, 208
Decimal	2400464
CIE Lab	61.72, -15.98, -33.70
CIE LCh	62, 37.293, 244.632
Yxy	30.0707, 0.2075, 0.2528
Android (android.graphics.Color)	4280590544 (0xFF24A0D0)
YUV	128.3960, 39.2448, -81.0313
Hunter-Lab	54.8368, -15.6167, -31.0039

Details

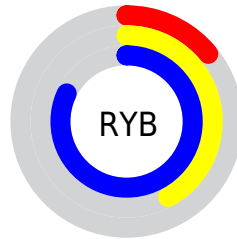
The XYZ color **24.6835, 30.0707, 64.1778** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **29.5030, 19.8806, 3.9528**, and the grayscale version is **20.5475, 21.6175, 23.5415**.

A 20% lighter version of the original color is **48.9060, 59.2004, 103.4569**, and **11.2184, 13.2372, 32.1008** is the 20% darker color. If you saturate the color by 10%, you get **23.1739, 27.8337, 63.8262**, and if you desaturate by 10%, it is **26.6634, 32.6209, 64.5663**.

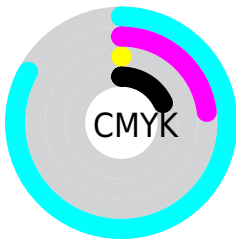
Distribution



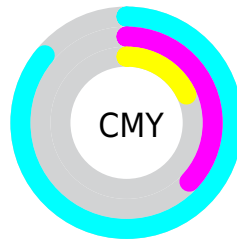
- Red (14%)
- Green (63%)
- Blue (82%)



- Red (14%)
- Yellow (42%)
- Blue (82%)



- Cyan (83%)
- Magenta (23%)
- Yellow (0%)
- Black (18%)



- Cyan (86%)
- Magenta (37%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6835, 30.0707, 64.1778 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 24.6835, 30.0707, 64.1778 by changing the saturation by 10% instead.

■ 24.6835, 30.0707,
64.1778

■ 24.6835, 30.0707,
64.1778

268.6349,
302.2339, 458.0565

■ 15.9689, 19.8923,
46.3476

■ 50.5899, 59.7740,
112.4689

■ 9.5928, 12.3167,
32.1696

■ 68.5124, 80.0676,
143.7668

■ 5.1900, 6.9598,
21.2252

■ 90.2349, 104.5017,
180.3911

■ 2.3951, 3.4370,
13.0958

■ 116.1227,
133.4607, 222.7603

■ 0.8427, 1.3639,
7.3631

■ 146.5413,
167.3291, 271.2929

■ 0.0000, 0.1899,
3.6083

181.8560,

■ 0.0000, 0.0000,

206.4911, 326.4074

1.4130

222.4320,
251.3312, 388.5224

■ 0.0000, 0.0000,
0.1518

■ 0.0000, 0.0000,
0.0000

■ 24.6835, 30.0707,
64.1778

■ 24.6835, 30.0707,
64.1778

■ 23.1739, 27.8337,
63.8262

■ 26.6634, 32.6209,
64.5663

■ 22.2836, 26.3508,
63.5869

■ 29.1747, 35.5153,
64.9926

■ 32.2721, 38.7834,
65.4602

■ 36.0023, 42.4502,
65.9713

■ 40.4069, 46.5380,
66.5282

■ 45.5241, 51.0674,
67.1328

■ 51.3887, 56.0572,
67.7868

■ 58.0336, 61.5251,
68.4920

■ 65.4893, 67.4877,
69.2499

Harmonies

Analogous

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



21.4243, 30.0707, 50.8657



24.6835, 30.0707, 64.1778



29.3591, 30.0707, 68.2500

Triad

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



24.6835, 30.0707, 64.1778



39.1909, 30.0707, 30.5834



23.4923, 30.0707, 15.0053

Complementary

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



24.6835, 30.0707, 64.1778



29.5030, 19.8806, 3.9528

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.



27.8173, 30.0707, 12.3528



24.6835, 30.0707, 64.1778



37.1774, 30.0707, 19.5331

Square

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



24.6835, 30.0707, 64.1778



38.1035, 30.0707, 45.9069



32.8692, 30.0707, 13.7309



20.7944, 30.0707, 22.3703

Rectangle

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



24.6835, 30.0707, 64.1778



32.7474, 30.0707, 64.4105



32.8692, 30.0707, 13.7309



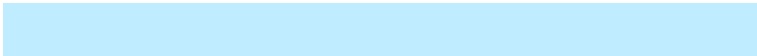
24.7844, 30.0707, 13.6479

Sweetspot

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



24.6846, 30.0717, 64.1786



69.9432, 79.0177, 106.1733



24.8027, 46.0950, 15.5486



14.3482, 16.3634, 22.6522



0.0000, 0.0000, 0.0000



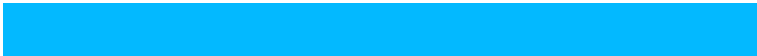
20.3446, 21.4041, 23.3091

Same Dimension

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



24.6846, 30.0717, 64.1786



35.3356, 41.7437, 100.8027



14.7080, 10.1186, 60.8530



11.8679, 12.8260, 15.0938



13.9733, 16.5932, 39.6588



0.8463, 1.0578, 2.2391

Inverse Universe

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



32.9894, 17.2109, 34.8419



49.9765, 24.7989, 47.7994



40.3103, 41.4953, 7.5552



12.1642, 11.9504, 14.1405



19.6838, 9.7464, 19.0389



1.1334, 0.5581, 1.2373

Previews

White Background



This preview shows how the XYZ color 24.6835, 30.0707, 64.1778 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.6835, 30.0707, 64.1778 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 ✓ Pass

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

XYZ 24.6835, 30.0707, 64.1778

Background



This preview shows how black text looks on a background with the XYZ color 24.6835, 30.0707, 64.1778.

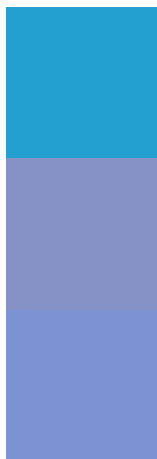


This preview shows how white text looks on a background with the XYZ color 24.6835, 30.0707,

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

24.6835, 30.0707, 64.1778

Protanopia

30.1884, 29.6573, 56.9567

Deuteranopia

30.5038, 29.8557, 65.7830

Trichromacy



Original Color

24.6835, 30.0707, 64.1778

Protanomaly

26.6462, 28.9469, 59.4413

Deuteranomaly

27.2747, 29.3849, 65.2071

Monochromacy



Original Color

24.6835, 30.0707, 64.1778

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1832, 23.6234, 35.3943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6835, 30.0707, 64.1778 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(36, 160, 208)` looks like.

```
.text, #text, p{  
    color:rgb(36, 160, 208)  
}
```

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(36, 160, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 160, 208) }
```

Border

The CSS property to change the border of an element to XYZ 24.6835, 30.0707, 64.1778 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(36, 160, 208) }
```

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

```
.border{ border-color:rgb(36, 160, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 160, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 160, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 160, 208);  
box-shadow:4px 4px 4px 4px rgb(36, 160,  
208) }
```


Background

The CSS property to change the background color of an element to XYZ 24.6835, 30.0707, 64.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 160, 208) }
```

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

```
.background{ background-color: rgb(36, 160,  
208) }
```

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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