

Converting Colors

XYZ(21.9903, 29.9781, 47.0105)

Have a look what the booklet for
XYZ(21.9903, 29.9781, 47.0105)
contains.

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Color

**XYZ(22.1397, 30.1807,
47.3064)**

Conversions

Conversions Part 1

Format	Color
Hex	24A4B3
RGB	36, 164, 179
RGB Percent	14%, 64%, 70%
CMY	0.8588, 0.3569, 0.2980
CMYK	0.80, 0.08, 0.00, 0.30
HSL	186°, 67%, 42%
HSV	186°, 80%, 70%
XYZ	22.1397, 30.1807, 47.3064
YIQ	127.4380, -81.1030, -22.4710

Conversions

Conversions Part 2

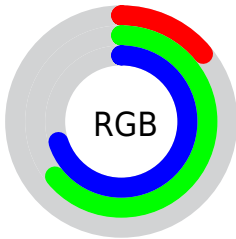
Format	Color
R _Y B	36, 104, 179
Decimal	2401459
CIE _{Lab}	61.81, -27.74, -17.32
CIE _{LCh}	62, 32.708, 211.981
Y _{xy}	30.1807, 0.2222, 0.3029
Android (android.graphics.Color)	4280591539 (0xFF24A4B3)
YUV	127.4380, 25.4201, -80.1911
Hunter-Lab	54.9370, -24.2039, -12.5989

Details

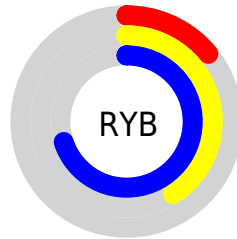
The XYZ color **22.1397, 30.1807, 47.3064** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.0935, 12.0798, 2.9426**, and the grayscale version is **20.2602, 21.3153, 23.2124**.

A 20% lighter version of the original color is **46.3903, 59.7870, 87.6923**, and **9.5601, 13.0947, 21.7623** is the 20% darker color. If you saturate the color by 10%, you get **21.3307, 29.2691, 47.1737**, and if you desaturate by 10%, it is **23.2678, 31.2654, 47.4569**.

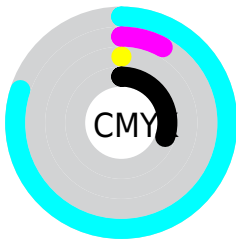
Distribution



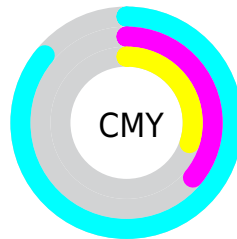
- Red (14%)
- Green (64%)
- Blue (70%)



- Red (14%)
- Yellow (41%)
- Blue (70%)



- Cyan (80%)
- Magenta (8%)
- Yellow (0%)
- Black (30%)



- Cyan (86%)
- Magenta (36%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1397, 30.1807, 47.3064 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 22.1397, 30.1807, 47.3064 by changing the saturation by 10% instead.

■ 22.1397, 30.1807,
47.3064

■ 22.1397, 30.1807,
47.3064

255.8936,
302.7458, 392.4653

■ 14.0768, 19.9758,
32.9219

■ 46.4539, 59.9478,
87.5256

■ 8.2561, 12.3774,
21.7960

■ 63.4359, 80.2788,
114.1973

■ 4.3125, 7.0013,
13.5102

■ 84.1216, 104.7540,
145.8018

■ 1.8804, 3.4629,
7.6459

■ 108.8764,
133.7577, 182.7576

■ 0.5654, 1.3779,
3.7847

■ 138.0657,
167.6743, 225.4834

■ 0.0000, 0.2004,
1.5080

172.0547,

■ 0.0000, 0.0000,

206.8883, 274.3976

0.2239

211.2089,
251.7840, 329.9187

■ 0.0000, 0.0000,
0.0000

■ 22.1397, 30.1807,
47.3064

■ 22.1397, 30.1807,
47.3064

■ 21.3307, 29.2691,
47.1737

■ 23.2678, 31.2654,
47.4569

■ 20.7532, 28.4835,
47.0525

■ 24.7532, 32.5411,
47.6248

■ 20.7467, 28.4745,
47.0511

■ 26.6317, 34.0268,
47.8126

■ 28.9340, 35.7385,
48.0216

■ 31.6877, 37.6904,
48.2533

■ 34.9182, 39.8956,
48.5086

■ 38.6487, 42.3661,
48.7889

■ 42.9011, 45.1133,
49.0950

■ 47.6959, 48.1477,
49.4280

Harmonies

Analogous

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



21.0892, 30.1807, 33.6995



22.1397, 30.1807, 47.3064



24.9212, 30.1807, 58.9746

Triad

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



22.1397, 30.1807, 47.3064



36.7509, 30.1807, 45.4954



28.3967, 30.1807, 14.2180

Complementary

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



22.1397, 30.1807, 47.3064



20.0935, 12.0798, 2.9426

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.



32.8118, 30.1807, 15.8824



22.1397, 30.1807, 47.3064



37.9175, 30.1807, 32.0378

Square

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



22.1397, 30.1807, 47.3064



33.3644, 30.1807, 57.7562



36.4097, 30.1807, 21.7046



24.4665, 30.1807, 16.3996

Rectangle

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



22.1397, 30.1807, 47.3064



27.5309, 30.1807, 62.8707



36.4097, 30.1807, 21.7046



29.8726, 30.1807, 14.3446

Sweetspot

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



22.1407, 30.1818, 47.3071



59.8112, 69.6070, 86.6643



17.4307, 32.8489, 8.4746



12.8080, 15.1175, 19.1652



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.1407, 30.1818, 47.3071



37.4116, 51.3346, 84.3179



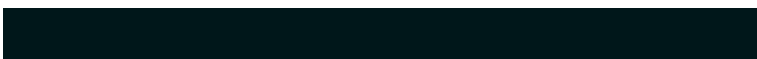
12.7973, 11.4951, 44.1927



8.6650, 9.4762, 10.8787



14.6885, 20.1774, 33.2575



0.4838, 0.6782, 1.0536

Inverse Universe

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



25.9229, 13.5267, 36.3678



44.8651, 21.9534, 61.9890



25.8449, 23.5826, 4.8597



8.8109, 8.6311, 10.5024



17.6487, 8.5771, 24.3740



0.5662, 0.2742, 0.8245

Previews

White Background



This preview shows how the XYZ color 22.1397, 30.1807, 47.3064 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 22.1397, 30.1807, 47.3064 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

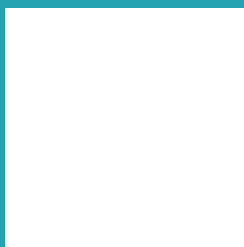
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1397, 30.1807, 47.3064

Background



This preview shows how black text looks on a background with the XYZ color 22.1397, 30.1807, 47.3064.

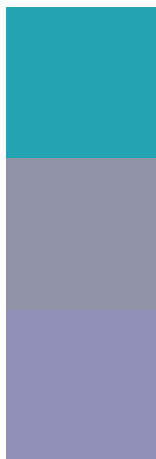


This preview shows how white text looks on a background with the XYZ color 22.1397, 30.1807,

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

22.1397, 30.1807, 47.3064

Protanopia

29.1787, 29.7143, 41.2433

Deuteranopia

30.3497, 29.6894, 48.9308



Tritanopia

22.0045, 30.1226, 46.7740

Trichromacy



Original Color

22.1397, 30.1807, 47.3064

Protanomaly

24.6633, 28.7643, 43.2819

Deuteranomaly

25.4974, 28.8371, 48.4782

Tritanomaly

22.0045, 30.1226, 46.7740

Monochromacy



Original Color

22.1397, 30.1807, 47.3064

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.1825, 23.2112, 30.6633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1397, 30.1807, 47.3064 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, 164, 179)` looks like.

```
.text, #text, p{  
    color:rgb(36, 164, 179)  
}
```

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, 164, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 164, 179) }
```

Border

The CSS property to change the border of an element to XYZ 22.1397, 30.1807, 47.3064 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, 164, 179) }
```


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

```
.border{ border-color:rgb(36, 164, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 164, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 164, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 164, 179);  
box-shadow:4px 4px 4px 4px rgb(36, 164,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1397, 30.1807, 47.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 164, 179) }
```

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

```
.background{ background-color: rgb(36, 164,  
179) }
```

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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