

Converting Colors

XYZ(21.8325, 11.6763, 1.1031)

Have a look what the booklet for
XYZ(21.8325, 11.6763, 1.1031)
contains.

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Color

**XYZ(21.7728, 11.6502,
1.1012)**

Conversions

Conversions Part 1

Format	Color
Hex	BF1600
RGB	191, 22, 0
RGB Percent	75%, 9%, 0%
CMY	0.2510, 0.9136, 1.0000
CMYK	0.00, 0.88, 1.00, 0.25
HSL	7°, 100%, 37%
HSV	7°, 100%, 75%
XYZ	21.7728, 11.6502, 1.1012
YIQ	70.0230, 107.7860, 28.9860

Conversions

Conversions Part 2

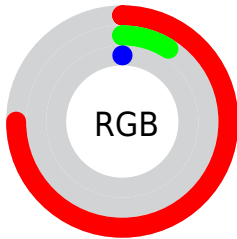
Format	Color
RYB	191, 25, 0
Decimal	12523008
CIELab	40.65, 61.73, 54.43
CIElCh	41, 82.302, 41.402
Yxy	11.6502, 0.6307, 0.3375
Android (android.graphics.Color)	4290713088 (0xFFBF1600)
YUV	70.0230, -34.5213, 106.0968
Hunter-Lab	34.1324, 54.1322, 21.9798

Details

The XYZ color **21.7728, 11.6502, 1.1012** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **23.5882, 32.1301, 54.2484**, and the grayscale version is **5.8703, 6.1760, 6.7256**.

A 20% lighter version of the original color is **45.4322, 28.6527, 6.3848**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.7730, 11.6509, 1.1013**, and if you desaturate by 10%, it is **22.3270, 12.5694, 1.8701**.

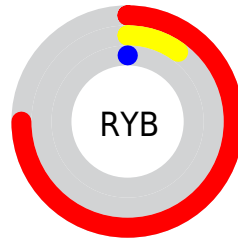
Distribution



Red (75%)

Green (9%)

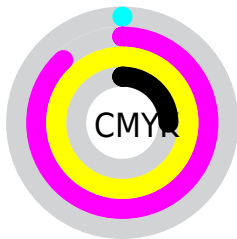
Blue (0%)



Red (75%)

Yellow (10%)

Blue (0%)

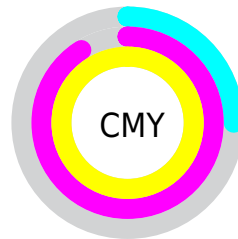


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7728, 11.6502, 1.1012 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 21.7728, 11.6502, 1.1012 by changing the saturation by 10% instead.


 21.7728, 11.6502,
1.1012


 21.7728, 11.6502,
1.1012


 254.0122,
202.0756, 106.3287


 13.8057, 6.5060,
0.0000


 45.8519, 28.8564,
6.3930


 8.0665, 3.1551,
0.0000


 62.6945, 41.6871,
11.6601

 4.1897, 1.2132,
0.0000

 83.2265, 57.8488,
19.2328

 1.8100, 0.0725,
0.0000

 107.8130, 77.7259,
29.5296


 0.5237, 0.0000,
0.0000


 136.8195,
101.7027, 42.9691


 0.0000, 0.0000,
0.0000


 170.6113,


130.1637, 59.9697


 209.5537,
163.4931, 80.9501


 21.7728, 11.6502,
1.1012


 21.7728, 11.6502,
1.1012


 21.7730, 11.6509,
1.1013

 22.3270, 12.5694,
1.8701

 23.2442, 14.0282,
3.3335

 24.5957, 16.1025,
5.7223

 26.4279, 18.8510,
9.1567

 28.7811, 22.3255,
13.7388

■ 31.6912, 26.5727,
19.5586

■ 35.1911, 31.6354,
26.6969

■ 39.3109, 37.5532,
35.2279

■ 44.0787, 44.3632,
45.2201

Harmonies

Analogous

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



26.0730, 11.6502, 7.3435



21.7728, 11.6502, 1.1012



15.0413, 11.6502, 0.0000

Triad

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



21.7728, 11.6502, 1.1012



3.4906, 11.6502, 4.9608



13.4372, 11.6502, 77.2230

Complementary

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



21.7728, 11.6502, 1.1012



23.5882, 32.1301, 54.2484

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.



7.8726, 11.6502, 73.8021



21.7728, 11.6502, 1.1012



3.3248, 11.6502, 20.1383

Square

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



21.7728, 11.6502, 1.1012



5.1967, 11.6502, 0.5845



4.6194, 11.6502, 47.9006



20.2503, 11.6502, 55.1377

Rectangle

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



21.7728, 11.6502, 1.1012



10.8015, 11.6502, 0.0000



4.6194, 11.6502, 47.9006



11.3494, 11.6502, 79.3194

Sweetspot

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



21.7730, 11.6509, 1.1014



62.7047, 56.1937, 47.1503



28.9225, 14.0510, 40.1670



13.1576, 11.4562, 9.1010



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.7730, 11.6509, 1.1014



38.9089, 20.6930, 1.9434



27.5710, 23.2469, 3.0340



9.6164, 9.7088, 9.9438



14.3402, 7.7192, 0.7341



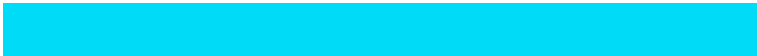
0.5914, 0.3617, 0.0386

Inverse Universe

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



23.5882, 32.1301, 54.2484



42.1308, 57.3135, 97.1212



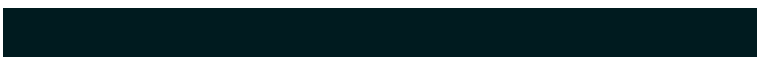
12.0161, 8.9859, 50.3910



9.7121, 10.6166, 12.2095



15.5397, 21.1912, 35.6642



0.6357, 0.8840, 1.4060

Previews

White Background



This preview shows how the XYZ color 21.7728, 11.6502, 1.1012 looks on a white 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

Black 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

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

XYZ 21.7728, 11.6502, 1.1012

Background



This preview shows how black text looks on a background with the XYZ color 21.7728, 11.6502, 1.1012.



This preview shows how white text looks on a background with the XYZ color 21.7728, 11.6502,

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

21.7728, 11.6502, 1.1012

Protanopia

10.9630, 12.1163, 2.6250

Deuteranopia

12.0827, 12.0397, 1.6871



Tritanopia

21.8402, 11.6472, 1.5490

Trichromacy



Original Color

21.7728, 11.6502, 1.1012

Protanomaly

12.9238, 9.9038, 1.6824

Deuteranomaly

14.2199, 10.3102, 1.2406

Tritanomaly

21.8088, 11.6346, 1.3834

Monochromacy



Original Color

21.7728, 11.6502, 1.1012

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

8.6862, 6.3131, 3.2434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7728, 11.6502, 1.1012 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(191, 22, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 22, 0)  
}
```

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(191, 22, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 22, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.7728, 11.6502, 1.1012 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(191, 22, 0) }
```


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

```
.border{ border-color:rgb(191, 22, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 22, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 22, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 22, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 22, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.7728, 11.6502, 1.1012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 22, 0) }
```

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

```
.background{ background-color: rgb(191, 22,  
0) }
```

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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