

Converting Colors

XYZ(20.6412, 12.0804, 1.2438)

Have a look what the booklet for
XYZ(20.6412, 12.0804, 1.2438)
contains.

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Color

**XYZ(20.7442, 12.1443,
1.2508)**

Conversions

Conversions Part 1

Format	Color
Hex	B82E00
RGB	184, 46, 0
RGB Percent	72%, 18%, 0%
CMY	0.2784, 0.8196, 1.0000
CMYK	0.00, 0.75, 1.00, 0.28
HSL	15°, 100%, 36%
HSV	15°, 100%, 72%
XYZ	20.7442, 12.1443, 1.2508
YIQ	82.0180, 97.0140, 14.9500

Conversions

Conversions Part 2

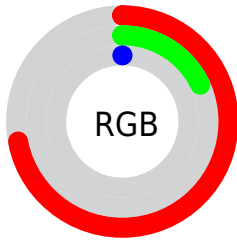
Format	Color
R _Y B	184, 61, 0
Decimal	12070400
CIE Lab	41.44, 53.43, 53.92
CIE LCh	41, 75.907, 45.257
Yxy	12.1443, 0.6076, 0.3557
Android (android.graphics.Color)	4290260480 (0xFFB82E00)
YUV	82.0180, -40.4349, 89.4382
Hunter-Lab	34.8487, 45.2696, 22.2660

Details

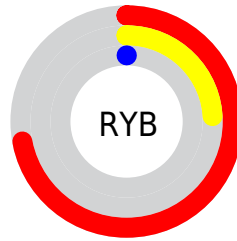
The XYZ color **20.7442, 12.1443, 1.2508** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.7393, 21.6358, 48.5884**, and the grayscale version is **8.0895, 8.5108, 9.2682**.

A 20% lighter version of the original color is **44.1286, 29.7255, 6.9018**, and **7.8852, 4.0649, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **20.7443, 12.1448, 1.2508**, and if you desaturate by 10%, it is **21.4854, 13.4470, 2.0529**.

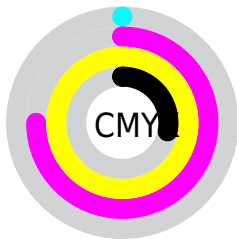
Distribution



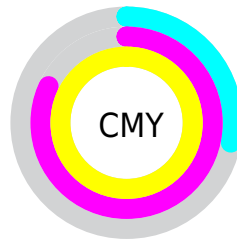
- Red (72%)
- Green (18%)
- Blue (0%)



- Red (72%)
- Yellow (24%)
- Blue (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)
- Black (28%)





- Cyan (28%)
- Magenta (82%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7442, 12.1443, 1.2508 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 20.7442, 12.1443, 1.2508 by changing the saturation by 10% instead.


 20.7442, 12.1443,
1.2508


 20.7442, 12.1443,
1.2508


 248.6734,
205.3583, 109.3732


 13.0485, 6.8420,
0.0210


 44.1559, 29.7576,
6.8671

 7.5392, 3.3635,
0.0000


 60.6027, 42.8375,
12.3648

 3.8509, 1.3243,
0.0000


 80.6972, 59.2787,
20.2137

 1.6181, 0.1599,
0.0000

 104.8048, 79.4656,
30.8321

 0.4042, 0.0000,
0.0000


 133.2909,
103.7826, 44.6388


 0.0000, 0.0000,
0.0000


 166.5208,


132.6141, 62.0521


 204.8599,
166.3446, 83.4908


 20.7442, 12.1443,
1.2508


 20.7442, 12.1443,
1.2508


 20.7443, 12.1448,
1.2508

 21.4854, 13.4470,
2.0529

 22.5206, 15.1680,
3.4749

 23.9028, 17.3506,
5.7292

 25.6636, 20.0269,
8.9217

 27.8304, 23.2259,
13.1422

■ 30.4282, 26.9741,
18.4701

■ 33.4796, 31.2964,
24.9767

■ 37.0058, 36.2159,
32.7274

■ 41.0265, 41.7546,
41.7830

Harmonies

Analogous

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



25.1122, 12.1443, 6.7276



20.7442, 12.1443, 1.2508



14.4606, 12.1443, 0.0000

Triad

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



20.7442, 12.1443, 1.2508



4.0193, 12.1443, 6.8970



14.5678, 12.1443, 69.5876

Complementary

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



20.7442, 12.1443, 1.2508



17.7393, 21.6358, 48.5884

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.



9.0465, 12.1443, 69.8015



20.7442, 12.1443, 1.2508



4.0316, 12.1443, 22.9458

Square

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



20.7442, 12.1443, 1.2508



5.5253, 12.1443, 1.2913



5.5666, 12.1443, 48.7059



20.8440, 12.1443, 48.2470

Rectangle

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



20.7442, 12.1443, 1.2508



10.5972, 12.1443, 0.0000



5.5666, 12.1443, 48.7059



12.5431, 12.1443, 72.4820

Sweetspot

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



20.7445, 12.1450, 1.2510



60.3923, 56.3132, 44.6298



24.3546, 12.0254, 25.0825



12.5022, 11.4104, 8.5100



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.7445, 12.1450, 1.2510



37.4458, 21.6976, 2.2144



28.8557, 28.3674, 3.9547



9.1822, 9.3674, 9.4310



14.3454, 8.4672, 0.8782



0.5564, 0.3998, 0.0479

Inverse Universe

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



17.7393, 21.6358, 48.5884



31.9577, 38.8216, 88.0136



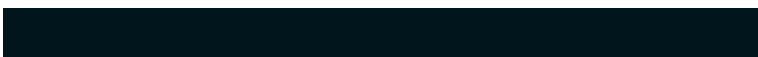
9.6288, 5.4149, 45.8849



9.0714, 9.8200, 11.4968



12.2841, 15.0278, 33.5063



0.4790, 0.6218, 1.1965

Previews

White Background



This preview shows how the XYZ color 20.7442, 12.1443, 1.2508 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

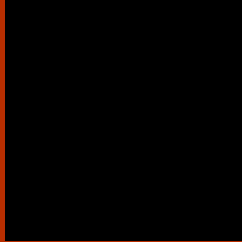
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7442, 12.1443, 1.2508

Background



This preview shows how black text looks on a background with the XYZ color 20.7442, 12.1443, 1.2508.



This preview shows how white text looks on a background with the XYZ color 20.7442, 12.1443,

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

20.7442, 12.1443, 1.2508

Protanopia

11.1527, 12.3573, 2.5069

Deuteranopia

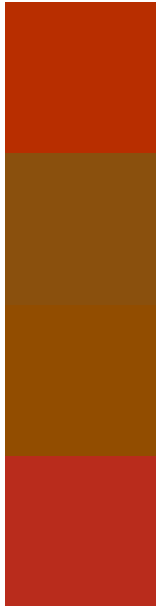
12.4602, 12.3654, 1.7300



Tritanopia

21.3261, 12.2239, 3.6183

Trichromacy



Original Color

20.7442, 12.1443, 1.2508

Protanomaly

13.4225, 11.1697, 1.8293

Deuteranomaly

14.5079, 11.4187, 1.4394

Tritanomaly

21.1179, 12.1995, 2.3403

Monochromacy



Original Color

20.7442, 12.1443, 1.2508

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.3557, 8.4261, 4.3294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7442, 12.1443, 1.2508 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(184, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 46, 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(184, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 46, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.7442, 12.1443, 1.2508 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(184, 46, 0) }
```


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

```
.border{ border-color:rgb(184, 46, 0) }
```

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

Here you see how a box with a 4 pixel rgb(184, 46, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 46, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7442, 12.1443, 1.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 46, 0) }
```

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

```
.background{ background-color: rgb(184, 46,  
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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