

Converting Colors

XYZ(24.0667, 11.5825, 1.1143)

Have a look what the booklet for
XYZ(24.0667, 11.5825, 1.1143)
contains.

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Color

**XYZ(24.6560, 12.7075,
1.2969)**

Conversions

Conversions Part 1

Format	Color
Hex	CB0005
RGB	203, 0, 5
RGB Percent	80%, 0%, 2%
CMY	0.2039, 0.9998, 0.9804
CMYK	0.00, 1.00, 0.98, 0.20
HSL	359°, 100%, 40%
HSV	359°, 100%, 80%
XYZ	24.6560, 12.7075, 1.2969
YIQ	61.2670, 119.3830, 44.5910

Conversions

Conversions Part 2

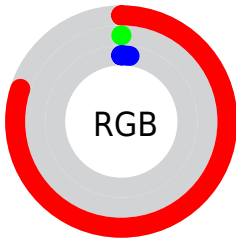
Format	Color
RYB	203, 0, 5
Decimal	13303813
CIELab	42.32, 67.51, 54.88
CIElCh	42, 86.997, 39.107
Yxy	12.7075, 0.6378, 0.3287
Android (android.graphics.Color)	4291493893 (0xFFCB0005)
YUV	61.2670, -27.7396, 124.2998
Hunter-Lab	35.6476, 61.0780, 22.7963

Details

The XYZ color **24.6560, 12.7075, 1.2969** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **31.5541, 46.7909, 60.8196**, and the grayscale version is **4.5034, 4.7379, 5.1596**.

A 20% lighter version of the original color is **45.2023, 28.0425, 6.7717**, and **10.4812, 5.4033, 0.4905** is the 20% darker color. If you saturate the color by 10%, you get **24.6555, 12.7073, 1.2957**, and if you desaturate by 10%, it is **25.0580, 13.2783, 2.1510**.

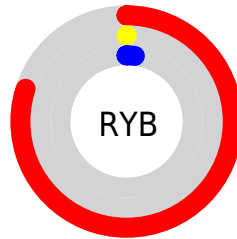
Distribution



Red (80%)

Green (0%)

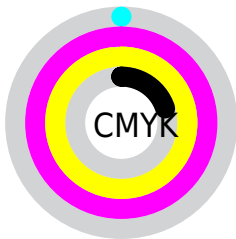
Blue (2%)



Red (80%)

Yellow (0%)

Blue (2%)

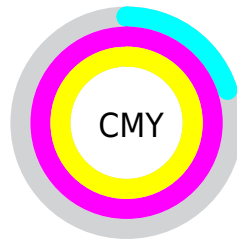


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6560, 12.7075, 1.2969 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 24.6560, 12.7075, 1.2969 by changing the saturation by 10% instead.


 24.6560, 12.7075,
1.2969

 24.6560, 12.7075,
1.2969


 268.4998,
209.0345, 110.2729


 15.9483, 7.2274,
0.0592


 50.5455, 30.7773,
7.0098


 9.5782, 3.6047,
0.0000


 68.4581, 44.1358,
12.5758

 5.1803, 1.4550,
0.0000

 90.1696, 60.8893,
20.5062

 2.3893, 0.2567,
0.0000

 116.0455, 81.4221,
31.2195


 0.8398, 0.0000,
0.0000


 146.4511,
106.1186, 45.1343


 0.0000, 0.0000,
0.0000


 181.7518,


135.3632, 62.6691


 222.3129,
169.5404, 84.2425


 24.6560, 12.7075,
1.2969


 24.6560, 12.7075,
1.2969


 24.6555, 12.7073,
1.2957

 25.0580, 13.2783,
2.1510

 25.8753, 14.4443,
3.8677

 27.2314, 16.4028,
6.6434

 29.1978, 19.2611,
10.6113

 31.8349, 23.1097,
15.8854

■ 35.1959, 28.0280,
22.5662

■ 39.3286, 34.0876,
30.7445

■ 44.2769, 41.3537,
40.5032

■ 50.0812, 49.8866,
51.9196

Harmonies

Analogous

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



29.1733, 12.7075, 8.8948



24.6560, 12.7075, 1.2969



17.1249, 12.7075, 0.0000

Triad

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



24.6560, 12.7075, 1.2969



3.7422, 12.7075, 4.5740



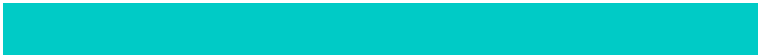
14.1736, 12.7075, 88.2194

Complementary

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



24.6560, 12.7075, 1.2969



31.5541, 46.7909, 60.8196

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.



8.1352, 12.7075, 81.8177



24.6560, 12.7075, 1.2969



3.4453, 12.7075, 20.3347

Square

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



24.6560, 12.7075, 1.2969



5.7692, 12.7075, 0.3815



4.7266, 12.7075, 51.1020



21.8404, 12.7075, 64.6018

Rectangle

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



24.6560, 12.7075, 1.2969



12.2746, 12.7075, 0.0000



4.7266, 12.7075, 51.1020



11.8837, 12.7075, 89.7700

Sweetspot

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



24.6563, 12.7083, 1.2971



65.5359, 56.6105, 50.8500



33.6058, 16.0799, 57.8319



13.3649, 11.1452, 9.5741



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.



24.6563, 12.7083, 1.2971



41.2741, 21.2737, 2.1097



28.6989, 20.8371, 2.5106



11.2232, 11.2180, 11.7103



15.6957, 8.0889, 0.8503



0.8137, 0.4189, 0.0648

Inverse Universe

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



24.6563, 12.7083, 1.2971



41.2741, 21.2737, 2.1097



16.1728, 15.0978, 58.5612



11.2232, 11.2180, 11.7103



15.6957, 8.0889, 0.8503



0.8137, 0.4189, 0.0648

Previews

White Background



This preview shows how the XYZ color 24.6560, 12.7075, 1.2969 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 24.6560, 12.7075, 1.2969

Background



This preview shows how black text looks on a background with the XYZ color 24.6560, 12.7075, 1.2969.



This preview shows how white text looks on a background with the XYZ color 24.6560, 12.7075,

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

24.6560, 12.7075, 1.2969

Protanopia

12.1183, 13.4245, 2.9894

Deuteranopia

13.3280, 13.2165, 1.8486



Tritanopia

24.3203, 12.8833, 1.2049

Trichromacy



Original Color

24.6560, 12.7075, 1.2969

Protanomaly

14.0984, 10.1465, 1.8315

Deuteranomaly

15.4439, 10.5176, 1.2735

Tritanomaly

24.4996, 12.8239, 1.2414

Monochromacy



Original Color

24.6560, 12.7075, 1.2969

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.9358, 5.1218, 2.6682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6560, 12.7075, 1.2969 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(203, 0, 5)` looks like.

```
.text, #text, p{  
    color:rgb(203, 0, 5)  
}
```

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(203, 0, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 0, 5) }
```

Border

The CSS property to change the border of an element to XYZ 24.6560, 12.7075, 1.2969 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(203, 0, 5) }
```


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

```
.border{ border-color:rgb(203, 0, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 0, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(203, 0, 5); box-shadow:4px  
4px 4px 4px rgb(203, 0, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6560, 12.7075, 1.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 0, 5) }
```

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

```
.background{ background-color: rgb(203, 0,  
5) }
```

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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