

Converting Colors

XYZ(42.5173, 23.6884, 2.7947)

Have a look what the booklet for
XYZ(42.5173, 23.6884, 2.7947)
contains.

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Color

**XYZ(42.5101, 23.6621,
2.7787)**

Conversions

Conversions Part 1

Format	Color
Hex	FF330F
RGB	255, 51, 15
RGB Percent	100%, 20%, 6%
CMY	0.0000, 0.7999, 0.9412
CMYK	0.00, 0.80, 0.94, 0.00
HSL	9°, 100%, 53%
HSV	9°, 94%, 100%
XYZ	42.5101, 23.6621, 2.7787
YIQ	107.8920, 133.1400, 32.0520

Conversions

Conversions Part 2

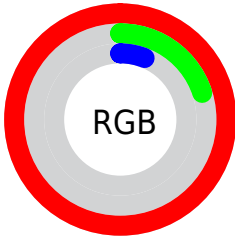
Format	Color
R_{YB}	255, 57, 15
Decimal	16724751
CIE _{Lab}	55.75, 73.12, 64.82
CIE _{LCh}	56, 97.711, 41.558
Yxy	23.6621, 0.6165, 0.3432
Android (android.graphics.Color)	4294914831 (0xFFFF330F)
YUV	107.8920, -45.7958, 129.0137
Hunter-Lab	48.6437, 70.8660, 30.6637

Details

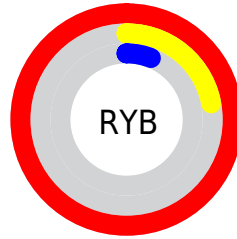
The XYZ color **42.5101, 23.6621, 2.7787** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **43.5745, 57.9767, 103.5012**, and the grayscale version is **14.3240, 15.0700, 16.4112**.

A 20% lighter version of the original color is **48.5596, 34.1805, 9.6683**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.9414, 22.6632, 2.1639**, and if you desaturate by 10%, it is **43.9937, 26.1411, 4.7797**.

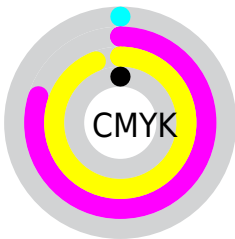
Distribution



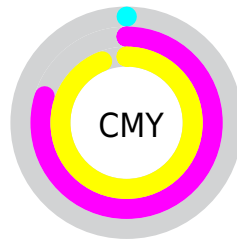
- Red (100%)
- Green (20%)
- Blue (6%)



- Red (100%)
- Yellow (22%)
- Blue (6%)



- Cyan (0%)
- Magenta (80%)
- Yellow (94%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5101, 23.6621, 2.7787 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 42.5101, 23.6621, 2.7787 by changing the saturation by 10% instead.


 42.5101, 23.6621,
2.7787

 42.5101, 23.6621,
2.7787


347.5489,
271.1077, 133.4902


 29.6938, 15.0832,
0.9828


 78.2314, 49.4782,
11.0773


 19.7532, 8.8778,
0.0000


 101.8671, 67.4842,
18.4171

 12.3230, 4.6615,
0.0000


 129.8399, 89.4013,
28.4419

 7.0378, 2.0501,
0.0000

 162.5152,
115.6140, 41.5702

 3.5323, 0.6363,
0.0000

 200.2585,
146.5065, 58.2207


 1.4411, 0.0000,
0.0000

 243.4349,


 0.2852, 0.0000,


182.4634, 78.8118


0.0000


 292.4100,
223.8690, 103.7621


 0.0000, 0.0000,
0.0000


 42.5101, 23.6621,
2.7787


 42.5101, 23.6621,
2.7787


 41.9414, 22.6632,
2.1639

 43.9937, 26.1411,
4.7797

 46.2584, 29.7236,
8.4539

 49.3996, 34.5234,
14.0718

 53.4979, 40.6385,
21.8550

 58.6245, 48.1567,
31.9950

64.8436, 57.1584,
44.6623

72.2141, 67.7176,
60.0114

80.7908, 79.9035,
78.1846

90.6248, 93.7811,
99.3139

Harmonies

Analogous

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



50.5074, 23.6621, 15.3651



42.5101, 23.6621, 2.7787



29.9301, 23.6621, 0.2393

Triad

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



42.5101, 23.6621, 2.7787



7.7231, 23.6621, 10.8748



27.0376, 23.6621, 143.8060

Complementary

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



42.5101, 23.6621, 2.7787



43.5745, 57.9767, 103.5012

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.



16.3981, 23.6621, 137.9187



42.5101, 23.6621, 2.7787



7.4028, 23.6621, 40.0350

Square

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



42.5101, 23.6621, 2.7787



11.1054, 23.6621, 1.7620



10.0127, 23.6621, 91.1939



39.8030, 23.6621, 103.7694

Rectangle

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



42.5101, 23.6621, 2.7787



21.9153, 23.6621, 0.0000



10.0127, 23.6621, 91.1939



23.0749, 23.6621, 147.6647

Sweetspot

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



42.5106, 23.6636, 2.7790



69.2117, 63.4276, 53.7228



54.1968, 26.7161, 69.3180



14.1448, 12.6163, 10.1080



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.



42.5106, 23.6636, 2.7790



41.9416, 22.6633, 2.1639



55.8890, 50.4205, 7.2385



18.2293, 18.4268, 18.7403



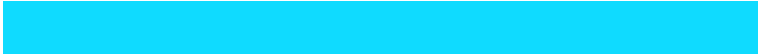
21.9808, 11.9729, 1.1525



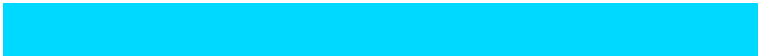
2.2020, 1.2893, 0.1328

Inverse Universe

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



43.5745, 57.9767, 103.5012



42.7944, 56.7087, 103.2981



22.7090, 16.2456, 96.5460



18.3090, 19.9895, 23.1433



22.4490, 29.8077, 54.0049



2.2460, 3.0228, 5.2783

Previews

White Background



This preview shows how the XYZ color 42.5101, 23.6621, 2.7787 looks on a white 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

Black Background



This preview shows how the XYZ color 42.5101, 23.6621, 2.7787 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 × Fail

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

XYZ 42.5101, 23.6621, 2.7787

Background



This preview shows how black text looks on a background with the XYZ color 42.5101, 23.6621, 2.7787.



This preview shows how white text looks on a background with the XYZ color 42.5101, 23.6621,

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

42.5101, 23.6621, 2.7787

Protanopia

21.4212, 23.6616, 5.1072

Tritanopia

42.8718, 23.6700, 5.1055

Trichromacy



Original Color

42.5101, 23.6621, 2.7787

Protanomaly

25.8990, 20.6758, 3.7244

Tritanomaly

42.6990, 23.6686, 3.9871

Monochromacy



Original Color

42.5101, 23.6621, 2.7787

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

19.3422, 14.8879, 8.3328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5101, 23.6621, 2.7787 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(255, 51, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 15)  
}
```

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(255, 51, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 15) }
```

Border

The CSS property to change the border of an element to XYZ 42.5101, 23.6621, 2.7787 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(255, 51, 15) }
```

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

```
.border{ border-color:rgb(255, 51, 15) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
15) }
```


Background

The CSS property to change the background color of an element to XYZ 42.5101, 23.6621, 2.7787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 15) }
```

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

```
.background{ background-color: rgb(255, 51,  
15) }
```

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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