

Converting Colors

XYZ(44.2895, 27.2696, 3.2221)

Have a look what the booklet for
XYZ(44.2895, 27.2696, 3.2221)
contains.

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Color

**XYZ(44.3121, 27.3165,
3.2243)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF520A |
| RGB | 255, 82, 10 |
| RGB Percent | 100%, 32%, 4% |
| CMY | 0.0000, 0.6784, 0.9608 |
| CMYK | 0.00, 0.68, 0.96, 0.00 |
| HSL | 18°, 100%, 52% |
| HSV | 18°, 96%, 100% |
| XYZ | 44.3121, 27.3165, 3.2243 |
| YIQ | 125.5190, 126.2200, 14.2840 |

Conversions

Conversions Part 2

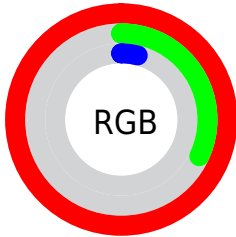
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 255, 112, 10 |
| Decimal | 16732682 |
| CIE _{Lab} | 59.27, 63.28, 67.89 |
| CIE _{LCh} | 59, 92.810, 47.015 |
| Yxy | 27.3165, 0.5920, 0.3649 |
| Android (android.graphics.Color) | 4294922762 (0xFFFF520A) |
| YUV | 125.5190, -56.9509, 113.5548 |
| Hunter-Lab | 52.2652, 59.8739, 32.9280 |

Details

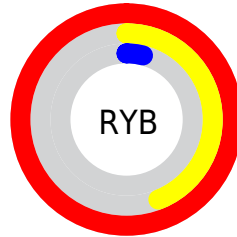
The XYZ color **44.3121, 27.3165, 3.2243** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **35.1072, 41.1487, 100.6992**, and the grayscale version is **19.8266, 20.8592, 22.7156**.

A 20% lighter version of the original color is **51.5781, 40.1674, 10.8290**, and **21.0188, 10.8839, 0.9930** is the 20% darker color. If you saturate the color by 10%, you get **43.7522, 26.2848, 2.7675**, and if you desaturate by 10%, it is **46.1094, 30.5018, 5.0870**.

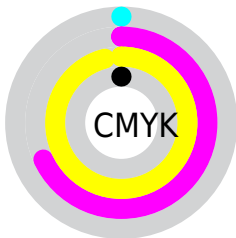
Distribution



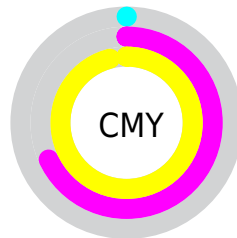
- Red (100%)
- Green (32%)
- Blue (4%)



- Red (100%)
- Yellow (44%)
- Blue (4%)



- Cyan (0%)
- Magenta (68%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (68%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3121, 27.3165, 3.2243 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 44.3121, 27.3165, 3.2243 by changing the saturation by 10% instead.


 44.3121, 27.3165,
3.2243


 44.3121, 27.3165,
3.2243


354.8111,
289.1863, 139.1681


 31.1149, 17.8111,
1.2103


 80.9306, 55.3913,
12.1771

 20.8386, 10.8144,
0.0000


 105.0826, 74.7295,
19.9529

 13.1179, 5.9422,
0.0000


 133.6170, 98.1141,
30.4864

 7.5873, 2.8100,
0.0000

 166.8990,
125.9294, 44.1961

 3.8816, 1.0333,
0.0000

 205.2941,
158.5599, 61.5006

 1.6354, 0.0000,
0.0000

 249.1676,


 0.4153, 0.0000,


196.3900, 82.8184


0.0000


 298.8848,
239.8040, 108.5680


 0.0000, 0.0000,
0.0000


 44.3121, 27.3165,
3.2243


 44.3121, 27.3165,
3.2243


 43.7522, 26.2848,
2.7675

 46.1094, 30.5018,
5.0870

 48.5632, 34.5589,
8.5267

 51.7479, 39.5560,
13.8189

 55.7256, 45.5518,
21.1861

 60.5511, 52.6000,
30.8189

66.2738, 60.7500,
42.8857

72.9390, 70.0479,
57.5393

80.5889, 80.5370,
74.9195

89.2628, 92.2585,
95.1561

Harmonies

Analogous

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



53.6312, 27.3165, 14.7047



44.3121, 27.3165, 3.2243



31.2992, 27.3165, 0.8212

Triad

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



44.3121, 27.3165, 3.2243



9.7409, 27.3165, 17.5845



33.0449, 27.3165, 142.0122

Complementary

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



44.3121, 27.3165, 3.2243



35.1072, 41.1487, 100.6992

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.



21.2715, 27.3165, 145.3307



44.3121, 27.3165, 3.2243



9.9534, 27.3165, 52.5973

Square

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



44.3121, 27.3165, 3.2243



12.8364, 27.3165, 4.0008



13.5416, 27.3165, 105.1097



45.9132, 27.3165, 97.9190

Rectangle

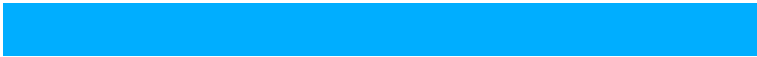
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.3121, 27.3165, 3.2243



23.3362, 27.3165, 0.7039



13.5416, 27.3165, 105.1097



28.7810, 27.3165, 148.6797

Sweetspot

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



44.3127, 27.3181, 3.2247



70.8907, 67.2085, 52.9792



50.1671, 25.0046, 48.4053



14.5656, 13.5372, 10.0036



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.



44.3127, 27.3181, 3.2247



43.7525, 26.2850, 2.7675



62.3956, 63.4840, 9.2524



18.4444, 18.8569, 18.8120



22.9732, 13.9576, 1.4833



2.3266, 1.5385, 0.1743

Inverse Universe

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



35.1072, 41.1487, 100.6992



34.3820, 39.8839, 100.4940



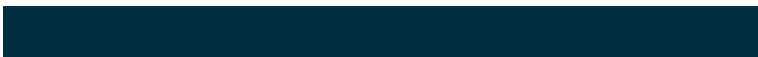
19.9575, 10.8492, 95.6493



18.0775, 19.5267, 23.0662



18.1010, 21.1116, 52.5555



1.8572, 2.2451, 5.1487

Previews

White Background



This preview shows how the XYZ color 44.3121, 27.3165, 3.2243 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 44.3121, 27.3165, 3.2243 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 44.3121, 27.3165, 3.2243

Background



This preview shows how black text looks on a background with the XYZ color 44.3121, 27.3165, 3.2243.



This preview shows how white text looks on a background with the XYZ color 44.3121, 27.3165,

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

44.3121, 27.3165, 3.2243

Protanopia

24.7422, 27.3107, 5.1298

Deuteranopia

27.6266, 27.3116, 3.8156



Tritanopia

45.4874, 27.3180, 10.8581

Trichromacy



Original Color

44.3121, 27.3165, 3.2243

Protanomaly

29.4879, 25.3348, 4.0950

Deuteranomaly

31.9994, 25.7649, 3.4014

Tritanomaly

44.7498, 27.1375, 6.6209

Monochromacy



Original Color

44.3121, 27.3165, 3.2243

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

24.4097, 20.6762, 11.0919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3121, 27.3165, 3.2243 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, 82, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 10)  
}
```

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, 82, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 10) }
```

Border

The CSS property to change the border of an element to XYZ 44.3121, 27.3165, 3.2243 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, 82, 10) }
```


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

```
.border{ border-color:rgb(255, 82, 10) }
```

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

Here you see how a box with a 4 pixel rgb(255, 82, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3121, 27.3165, 3.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 10) }
```

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

```
.background{ background-color: rgb(255, 82,  
10) }
```

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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