

Converting Colors

XYZ(37.1346, 23.6053, 2.5991)

Have a look what the booklet for
XYZ(37.1346, 23.6053, 2.5991)
contains.

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Color

**XYZ(37.2782, 23.6968,
2.6092)**

Conversions

Conversions Part 1

Format	Color
Hex	EB5200
RGB	235, 82, 0
RGB Percent	92%, 32%, 0%
CMY	0.0784, 0.6784, 1.0000
CMYK	0.00, 0.65, 1.00, 0.08
HSL	21°, 100%, 46%
HSV	21°, 100%, 92%
XYZ	37.2782, 23.6968, 2.6092
YIQ	118.3990, 117.5100, 6.9340

Conversions

Conversions Part 2

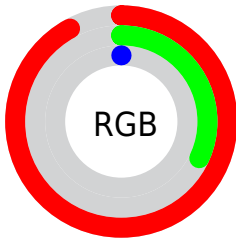
Format	Color
R_{YB}	235, 126, 0
Decimal	15421952
CIE _{Lab}	55.78, 56.59, 66.10
CIE _{LCh}	56, 87.015, 49.436
Yxy	23.6968, 0.5863, 0.3727
Android (android.graphics.Color)	4293612032 (0xFFEB5200)
YUV	118.3990, -58.3707, 102.2591
Hunter-Lab	48.6794, 51.5048, 30.8976

Details

The XYZ color **37.2782, 23.6968, 2.6092** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **26.3855, 28.7786, 82.7605**, and the grayscale version is **17.4985, 18.4098, 20.0483**.

A 20% lighter version of the original color is **51.2539, 39.8071, 9.8327**, and **16.7780, 8.9469, 0.8426** is the 20% darker color. If you saturate the color by 10%, you get **37.2784, 23.6976, 2.6093**, and if you desaturate by 10%, it is **38.7237, 26.3327, 3.8792**.

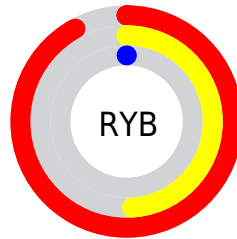
Distribution



Red (92%)

Green (32%)

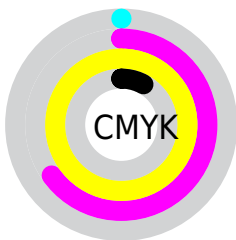
Blue (0%)



Red (92%)

Yellow (49%)

Blue (0%)

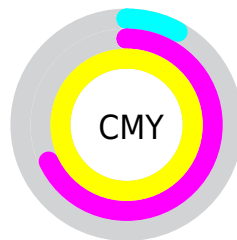


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2782, 23.6968, 2.6092 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 37.2782, 23.6968, 2.6092 by changing the saturation by 10% instead.

 37.2782, 23.6968,
2.6092


 37.2782, 23.6968,
2.6092


325.8481,
271.2840, 131.2161

 25.5976, 15.1089,
0.8972


 70.3115, 49.5350,
10.6479

 16.6540, 8.8958,
0.0000


 92.3950, 67.5540,
17.8131

 10.0819, 4.6733,
0.0000


 118.6767, 89.4855,
27.6338

 5.5159, 2.0569,
0.0000

 149.5222,
115.7139, 40.5283

 2.5909, 0.6402,
0.0000

 185.2967,
146.6235, 56.9152


 0.9413, 0.0000,
0.0000


 226.3656,


 0.0000, 0.0000,


182.5988, 77.2131


0.0000


 273.0943,
224.0242, 101.8406


 37.2782, 23.6968,
2.6092


 37.2782, 23.6968,
2.6092


 37.2784, 23.6976,
2.6093

 38.7237, 26.3327,
3.8792

 40.6354, 29.5905,
6.2597

 43.0893, 33.5250,
10.0783

 46.1348, 38.1775,
15.5283

 49.8147, 43.5852,
22.7730

■ 54.1672, 49.7823,
31.9553

■ 59.2273, 56.8010,
43.2036

■ 65.0273, 64.6711,
56.6351

■ 71.5972, 73.4213,
72.3584

Harmonies

Analogous

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



45.6152, 23.6968, 11.5992



37.2782, 23.6968, 2.6092



26.1898, 23.6968, 0.7437

Triad

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



37.2782, 23.6968, 2.6092



8.5312, 23.6968, 17.0549



29.4563, 23.6968, 118.6682

Complementary

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



37.2782, 23.6968, 2.6092



26.3855, 28.7786, 82.7605

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.



19.2157, 23.6968, 124.7960



37.2782, 23.6968, 2.6092



8.9357, 23.6968, 48.4772

Square

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



37.2782, 23.6968, 2.6092



10.9519, 23.6968, 4.1261



12.2879, 23.6968, 93.1573



40.2625, 23.6968, 79.8393

Rectangle

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



37.2782, 23.6968, 2.6092



19.5493, 23.6968, 0.7229



12.2879, 23.6968, 93.1573



25.7842, 23.6968, 125.3293

Sweetspot

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



37.2787, 23.6982, 2.6096



71.2044, 68.2510, 51.8040



40.3181, 20.0851, 33.5016



14.6669, 13.8176, 9.7971



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.



37.2787, 23.6982, 2.6096



44.8113, 28.4026, 3.1204



53.9630, 57.0667, 8.1710



15.4954, 15.9138, 15.7737



20.8553, 13.4049, 1.4882



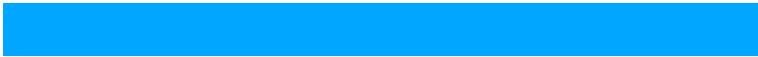
1.7249, 1.2271, 0.1459

Inverse Universe

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



26.3855, 28.7786, 82.7605



31.6886, 34.4972, 99.5962



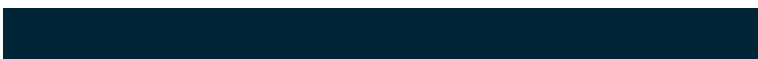
15.7265, 7.4604, 79.2075



15.0496, 16.1857, 19.2532



14.8087, 16.2644, 46.1018



1.2523, 1.4561, 3.6499

Previews

White Background



This preview shows how the XYZ color 37.2782, 23.6968, 2.6092 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 37.2782, 23.6968, 2.6092 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 37.2782, 23.6968, 2.6092

Background



This preview shows how black text looks on a background with the XYZ color 37.2782, 23.6968, 2.6092.



This preview shows how white text looks on a background with the XYZ color 37.2782, 23.6968,

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

37.2782, 23.6968, 2.6092

Protanopia

21.5913, 23.9732, 4.3535

Deuteranopia

23.9516, 23.6138, 3.2955



Tritanopia

38.9575, 23.7526, 10.1208

Trichromacy



Original Color

37.2782, 23.6968, 2.6092

Protanomaly

25.6230, 22.4704, 3.4387

Deuteranomaly

27.6768, 22.7063, 2.9240

Tritanomaly

37.9140, 23.5207, 5.6736

Monochromacy



Original Color

37.2782, 23.6968, 2.6092

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

21.0195, 18.1882, 9.0594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2782, 23.6968, 2.6092 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(235, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 82, 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(235, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 82, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.2782, 23.6968, 2.6092 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(235, 82, 0) }
```


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

```
.border{ border-color:rgb(235, 82, 0) }
```

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

Here you see how a box with a 4 pixel rgb(235, 82, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 82, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.2782, 23.6968, 2.6092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 82, 0) }
```

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

```
.background{ background-color: rgb(235, 82,  
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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