

Converting Colors

XYZ(36.7675, 21.9752, 6.8459)

Have a look what the booklet for
XYZ(36.7675, 21.9752, 6.8459)
contains.

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Color

**XYZ(36.9293, 22.0965,
6.8761)**

Conversions

Conversions Part 1

Format	Color
Hex	EA453E
RGB	234, 69, 62
RGB Percent	92%, 27%, 24%
CMY	0.0824, 0.7294, 0.7569
CMYK	0.00, 0.71, 0.74, 0.08
HSL	2°, 80%, 58%
HSV	2°, 74%, 92%
XYZ	36.9293, 22.0965, 6.8761
YIQ	117.5370, 100.5870, 32.8030

Conversions

Conversions Part 2

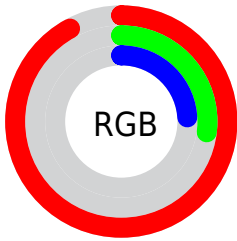
Format	Color
R_{YB}	234, 69, 62
Decimal	15353150
CIE _{Lab}	54.13, 62.57, 41.27
CIE _{LCh}	54, 74.952, 33.407
Yxy	22.0965, 0.5604, 0.3353
Android (android.graphics.Color)	4293543230 (0xFFEA453E)
YUV	117.5370, -27.3797, 102.1381
Hunter-Lab	47.0069, 57.9700, 24.2320

Details

The XYZ color **36.9293, 22.0965, 6.8761** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **44.3037, 61.8963, 87.4534**, and the grayscale version is **17.1374, 18.0299, 19.6346**.

A 20% lighter version of the original color is **51.6438, 37.5645, 19.2806**, and **16.6867, 8.5897, 1.3508** is the 20% darker color. If you saturate the color by 10%, you get **35.2903, 19.6346, 3.8148**, and if you desaturate by 10%, it is **39.3674, 25.7153, 11.5667**.

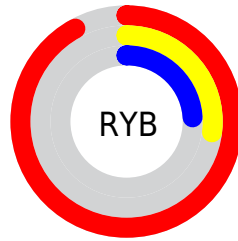
Distribution



Red (92%)

Green (27%)

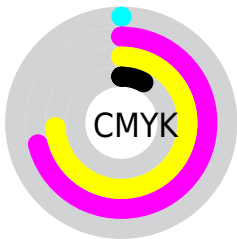
Blue (24%)



Red (92%)

Yellow (27%)

Blue (24%)

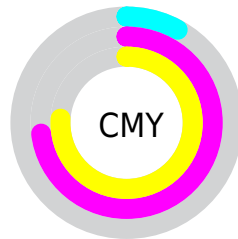


Cyan (0%)

Magenta (71%)

Yellow (74%)

Black (8%)



Cyan (8%)


Magenta (73%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9293, 22.0965, 6.8761 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 36.9293, 22.0965, 6.8761 by changing the saturation by 10% instead.

 36.9293, 22.0965,
6.8761


 36.9293, 22.0965,
6.8761


324.3652,
263.0498, 176.2219


 25.3262, 13.9278,
3.3075


 69.7786, 46.9054,
20.2321


 16.4503, 8.0705,
1.2537


 91.7554, 64.3145,
30.8566

 9.9362, 4.1401,
0.0234


 117.9209, 85.5725,
44.6701

 5.4186, 1.7522,
0.0000

 148.6404,
111.0637, 62.0912

 2.5322, 0.4571,
0.0000

 184.2792,
141.1727, 83.5383

 0.9115, 0.0000,
0.0000

 225.2027,

 0.0000, 0.0000,

176.2838, 109.4301

0.0000

271.7762,
216.7814, 140.1851

■ 36.9293, 22.0965,
6.8761

■ 36.9293, 22.0965,
6.8761

■ 35.2903, 19.6346,
3.8148

■ 39.3674, 25.7153,
11.5667

■ 34.3482, 18.1856,
2.1593

■ 42.6875, 30.6051,
18.0693


■ 34.0349, 17.6993,
1.6225

■ 46.9636, 36.8708,
26.5434


■ 52.2615, 44.6053,
37.1306

■ 58.6413, 53.8934,
49.9598

 66.1584, 64.8133,
65.1493

 74.8644, 77.4382,
82.8092

 84.8077, 91.8367,
103.0428

 87.7414, 96.2323,
108.5580

Harmonies

Analogous

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



40.7757, 22.0965, 21.4970



36.9293, 22.0965, 6.8761



28.8005, 22.0965, 2.1300

Triad

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



36.9293, 22.0965, 6.8761



9.9006, 22.0965, 9.0743



21.9443, 22.0965, 102.0606

Complementary

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



36.9293, 22.0965, 6.8761



44.3037, 61.8963, 87.4534

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.



14.7561, 22.0965, 90.3437



36.9293, 22.0965, 6.8761



8.9485, 22.0965, 26.8176

Square

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



36.9293, 22.0965, 6.8761



13.5213, 22.0965, 2.7031



10.4737, 22.0965, 58.0582



30.8315, 22.0965, 84.0707

Rectangle

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



36.9293, 22.0965, 6.8761



22.8473, 22.0965, 1.3645



10.4737, 22.0965, 58.0582



19.2590, 22.0965, 101.4936

Sweetspot

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



36.9298, 22.0978, 6.8764



72.4674, 67.2393, 63.1310



49.6946, 26.5538, 76.0987



15.0188, 13.6763, 12.5204



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.



36.9298, 22.0978, 6.8764



42.2324, 22.8574, 3.4549



46.3126, 40.8634, 10.0040



15.1147, 15.1524, 15.6468



19.1479, 9.9900, 0.9191



1.5210, 0.8193, 0.0780

Inverse Universe

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



44.3037, 61.8963, 87.4534



51.5142, 73.3272, 106.0462



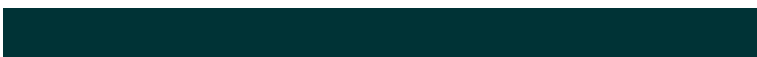
26.5506, 26.3901, 81.5357



15.4620, 17.0104, 19.3907



23.4180, 33.4830, 48.9716



1.8553, 2.6620, 3.8509

Previews

White Background



This preview shows how the XYZ color 36.9293, 22.0965, 6.8761 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 36.9293, 22.0965, 6.8761 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 36.9293, 22.0965, 6.8761

Background



This preview shows how black text looks on a background with the XYZ color 36.9293, 22.0965, 6.8761.



This preview shows how white text looks on a background with the XYZ color 36.9293, 22.0965,

6.8761.

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

36.9293, 22.0965, 6.8761

Protanopia

20.4901, 22.2372, 11.1949

Deuteranopia

22.5808, 22.0863, 6.2049



Tritanopia

37.1361, 22.0816, 8.2661

Trichromacy



Original Color

36.9293, 22.0965, 6.8761

Protanomaly

24.3118, 20.3471, 9.3026

Deuteranomaly

26.2789, 20.6677, 6.2186

Tritanomaly

37.0422, 22.0440, 7.7714

Monochromacy



Original Color

36.9293, 22.0965, 6.8761

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

21.2590, 17.4698, 13.8068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9293, 22.0965, 6.8761 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(234, 69, 62)` looks like.

```
.text, #text, p{  
    color:rgb(234, 69, 62)  
}
```

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(234, 69, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 69, 62) }
```

Border

The CSS property to change the border of an element to XYZ 36.9293, 22.0965, 6.8761 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(234, 69, 62) }
```


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

```
.border{ border-color:rgb(234, 69, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 69, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 69, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 69, 62);  
box-shadow:4px 4px 4px 4px rgb(234, 69,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9293, 22.0965, 6.8761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 69, 62) }
```

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

```
.background{ background-color: rgb(234, 69,  
62) }
```

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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